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SUMMARY REPORT

ON THE

HEALTH

of

KINGSTON UPON HULL

FOR THE YEARS

1939 - 1943

NICOLAS GEBBIE, M.D., D.P.M., D.P.H.,
Medical Officer of Health and School Medical Officer.

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CITY OF KINGSTON UPON HULL

SUMMARY OF PRINCIPAL VITAL STATISTICS.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Area of City in Acres ..	14,433	14,433	14,433	14,433	14,433	14,433
Estimated Population ..	318,700	(*a*)317,800* (*b*)305,100	268,000	241,080	218,800	217,400
Marriages	2,890	3,400	3,709	3,089	2,592	2,071
Marriage-rate	18·1	21·4	27·7	25·6	23·7	19·1
Live Births	5,779	(*a*)5,557* (*b*)5,447	(*a*)4,984* (*b*) 4,918	(*a*)4,118* (*b*)3,853	4,009	4,335
Birth-rate	18·1	17·5	18·6	17·1	18·3	19·9
Deaths (all causes) ..	3,889	3,808	4,089	4,614	3,103	3,374
Death-rate	12·2	12·0	15·3	19·1	14·2	15·5
Natural Increase (*i.e.*, excess of births over deaths)	1,890	1,749	895	Decr'se of 496	906	961
Maternal Mortality—						
Deaths from All Causes	16	18	14	16	7	20
Deaths from Puerperal Sepsis	2	5	6	3	3	7
Deaths from other Puerperal causes	14	13	8	13	4	13
Death-rate per 1,000 live births—						
All Causes ..	2·77	3·30	2·85	4·15	1·75	4·61
Puerperal Sepsis ..	0·35	0·92	1·22	0·78	0·75	1·61
Other Puerperal Causes	2·42	2·38	1·63	3·37	1·00	3·00
Infant Mortality—						
Deaths under 1 year of age	400	339	344	292	272	301
Rate per 1,000 live births	69·22	62·24	69·95	75·79	67·85	69·43
Neo-natal Mortality—						
Deaths under 1 month old	175	150	124	99	117	119
Rate per 1,000 live births	30·28	27·54	25·21	25·69	29·18	27·45
Deaths from Diarrhoea and Enteritis (under 2 years)	55	59	56	23	61	39
Rate per 1,000 live births	9·52	10·83	11·39	5·97	15·22	9·00
Death-rate per 1,000 of the population for—						
Measles	0·09	0·00	0·03	0·05	0·01	0·11
Whooping Cough ..	0·08	0·02	0·04	0·10	0·01	0·10
Diphtheria	0·13	0·08	0·06	0·10	0·46	0·03
Cancer	1·58	1·67	1·91	1·92	2·03	2·15
Tuberculosis—						
All Forms	0·89	0·86	1·16	1·13	0·99	1·20
Pulmonary ..	0·77	0·73	0·96	0·95	0·81	0·98
Non-pulmonary ..	0·12	0·13	0·20	0·18	0·18	0·22

* (a) for birth-rate.
(b) for Maternal and Infant Mortality.

GUILDHALL,

KINGSTON UPON HULL.

APRIL, 1944.

My Lord Mayor, Ladies and Gentlemen,

I have the honour to submit my report upon the health, vital statistics and sanitary circumstances of the City of Kingston upon Hull for the quinquennial period 1939-1943.

The impact of the war, particularly the air warfare, placed Kingston upon Hull in the front line of cities subjected to intensive war conditions, and this, together with service calls upon the officers of the Department, rendered it impracticable for the seriously depleted staff to prepare and publish a separate detailed report for each of the years under review.

The work of the various sections of the Public Health Department, including the hospitals and institutions, was nevertheless kept at a high level in spite of the numerous, varied and exacting extraneous duties which the war effort imposed upon the staff individually and collectively.

Throughout the period covered by this report, the health of the people was well maintained despite the blackout, evacuation, shelter life and overcrowding, and in some respects—notably the absence of serious epidemics of infectious diseases—peace-time standards were surpassed.

Particulars of the Department's activities in Air Raid Precautions and Civil Defence were submitted to the Emergency Committee at its request, and it is anticipated that a report upon the work of that Committee will be published in due course. Detailed reference to this aspect of the duties undertaken by the Health Department is accordingly omitted from this report.

The inauguration of an efficient casualty and ambulance service, and the re-organisation of the hospital services of the City and neighbourhood to meet the needs of air raid casualties and emergency medical service requirements, placed a heavy burden of work and responsibility upon the senior members of the staff, and particularly upon the senior members of the clerical staff of the Department. Without their untiring help and unfailing devotion, the casualty services, which were to prove equal to all demands made upon them, could never have been successfully organized and maintained.

It is with the deepest regret that I have to record that six members of the casualty service were seriously injured and 11 killed by enemy action, including Dr. D. Diamond, the Deputy Medical Officer of Health, who lost his life on 31st March, 1941, whilst deputising for me on duty at Control when the Control Centre was destroyed by bombing. By his untimely death the Public Health Service lost a promising and enthusiastic member, and the City an able and devoted Medical Officer.

This summary has been prepared to ensure continuity of the City's statistical health records, and to comply with the instructions of the Ministry of Health as regards economy in paper and printing. Reports for the years 1944 and 1945 have already been published separately.

I have to thank the Chairman and members of the Health Committee, my fellow Chief Officials, and all the members of the staff of the Department, whose co-operation and help contributed in no small measure to the success of the work recorded in this report.

I have the honour to be,

Your obedient Servant,

NICOLAS GEBBIE,

Medical Officer of Health and
School Medical Officer.

POPULATION.

For security reasons, particulars of changes in the population were not published during the war years.

The figures of the estimated population for 1939 to 1943, as furnished by the Registrar General, are as under :—

1938	..	318,700
1939	..	317,800
1940	..	268,000
1941	..	241,080
1942	..	218,800
1943	..	217,400

The number of persons in the City at the Census taken for the National Register on the 29th September, 1939, was 263,274. The difference in this figure and the above estimate of population as at July, 1939, is due to the fact that the Census was taken at the peak of the movement to safer areas of resident population from Hull, which was an evacuation area.

VITAL STATISTICS.

Marriages. The number of marriages solemnised in the City, and the marriage rates per 1,000 of the population for the years 1938 to 1943 were as follows :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Marriages	2,890	3,400	3,709	3,089	2,592	2,071
Marriage-rate	18·1	21·4	27·7	25·6	23·7	19·1

The marriages solemnized in the year 1940 (3,709) was the highest figure recorded for the City.

Births. Hereunder are given the births registered in the 5 years under review. In these figures are the births of the children of Hull parents, including those at the Municipal Maternity Home, the Emergency Maternity Homes, or at places outside the City, and excluding those of children born of mothers resident in Hull only temporarily.

	No. of Births				
Year	Male	Female	Total	Birth-rate per 1,000 population	Birth-rate England and Wales
1938	2,947	2,832	5,779	18·1	15·1
*1939	2,924	2,633	5,557	17·6	15·0
1940	2,524	2,460	4,984	18·6	14·6
1941	2,100	2,018	4,118	17·1	14·2
1942	2,014	1,995	4,009	18·3	15·8
1943	2,222	2,113	4,335	19·9	16·5

* Municipal Maternity Home, Hedon Road, closed as a maternity home and was brought within the Emergency Hospitals Scheme on the 25th August, 1939.

Illegitimate Births. The illegitimate births for the same years, and the percentages of such births to total births, were as under :—

Year	*No. of Illegitimate Births*	*Percentage of Total Births*
1938	310	5·4
1939	271	4·9
1940	275	5·5
1941	251	6·1
1942	295	7·4
1943	359	8·3

It will be seen that whilst in 1939 the percentage of illegitimate births to total births fell to 4·9 compared with 5·4 in the previous year, it steadily rose during the war years from 5·5 in 1940 to 8·3 in 1943.

Deaths. The following table gives the number of deaths and the death-rates for Hull, and the death-rates for England and Wales :—

Year	No. of Deaths			Death-rate per 1,000 Population	Death-rate England and Wales
	Male	Female	Total		
1938	2,109	1,780	3,889	12·2	11·6
1939	2,043	1,765	3,808	12·5	12·1
1940	2,277	1,812	4,089	15·3	14·3
1941	2,465	2,149	4,614	19·1	12·9
1942	1,662	1,440	3,103	14·2	11·6
1943	1,819	1,555	3,374	15·5	12·1

These figures show that the Hull death-rate in respect of each of the years 1939 to 1943 is higher than that for the pre-war year 1938. It should be noted, however, that the differences in these rates are partly due to the deaths of civilians as the result of war operations (accounting for 978 in 1941) and to the reduction in total population consequent on evacuation, etc.

Comparative statistics are given in Table I.

The principal causes of death divided into certain age groups and into the wards where the deceased persons resided, are shown in Tables IIA to IIE. The new classification of deaths under the Fifth Revision of the International List of the Causes of Death, which came into operation on the 1st January, 1940, has been responsible to some extent, for the considerable differences in the numbers of some of the causes of death, particularly bronchitis and heart disease. This should be borne in mind when comparison is being made with the figures in respect of previous years.

TABLE I.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1943 AND PREVIOUS YEARS.

Year	Population estimated for each Year	Births			Total Deaths Registered in the District*		Transferable Deaths		Net Deaths belonging to the District			
		Uncorrected Number	Net		Number	Rate	Of Non-residents registered in the District	Of Residents not registered in the District	Under 1 Year of Age		At all Ages	
			Number	Rate					Number	Rate per 1,000 Net Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1938	318,700	5,961	5,779	18·1	4,071	12·8	242	60	400	69	3,889	12·2
1939	317,800	5,636	5,557	17·5	3,933	12·9	229	104	339	62	3,808	12·5
1940	268,000	4,901	4,984	18·6	4,177	15·6	216	128	344	70	4,089	15·3
1941	241,080	3,265	4,118	17·1	4,519	18·7	183	278	292	76	4,614	19·1
1942	218,800	3,048	4,009	18·3	3,014	13·8	154	243	272	68	3,103	14·2
1943	217,400	3,364	4,335	19·9	3,344	15·4	171	201	301	69	3,374	15·5

* Including deaths (omitted from Col. 9) of Hull residents at the De-la-Pole Hospital, City and Evan Fraser Hospitals, and the Tuberculosis Sanatorium.

TABLE IIA.—PRINCIPAL CAUSES OF DEATH, 1939.

Cause of Death	Net Deaths at the subjoined ages of "Residents" whether occurring within or without the District									Net Deaths (in Wards) of "Residents" whether occurring within or without the District																					Total Deaths in Institutions	
	All Ages	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 and upward	Albert	Alexandra	Beverley	Botanic	Coltman	Drypool	East Central	Marfleet	Myton	Newland	N. Newington	Paragon	Park	Pickering	St. Andrew's	Southcoates	S. Newington	Stoneferry	Sutton	University	W. Central		
All Causes—Certified	3805	339	36	38	69	107	367	1079	1770	189	224	143	199	218	179	166	113	185	171	191	92	152	267	158	205	156	176	105	350	166	1664	
Uncertified	3	—	—	—	1	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	1	—	—	—	—	
1. Enteric Fever	3	—	—	—	—	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	1	2	
2. Measles	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	
3. Scarlet Fever	2	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1	—	—	—	2	
4. Whooping Cough	5	5	—	—	—	—	—	—	—	—	1	—	—	—	—	1	2	—	—	—	—	—	—	—	—	—	—	1	—	—	—	3
5. Diphtheria	26	—	1	11	13	—	1	—	—	2	—	—	—	—	1	2	—	—	5	—	2	3	3	1	3	—	1	—	2	1	25	
6. Influenza	52	2	—	—	—	1	7	25	17	2	2	3	2	1	—	2	1	2	4	6	1	3	6	1	3	3	3	2	3	2	2	
7. Encephalitis Lethargica	2	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	1	
8. Cerebro-spinal Fever	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	1	
9. T.B. of the Respiratory System	231	—	1	—	7	52	93	67	11	8	14	5	8	14	10	8	9	10	11	8	6	1	23	13	14	15	10	6	27	11	103	
10A. T.B. Meningitis	18	—	5	4	7	1	—	1	—	2	1	—	—	3	1	—	1	—	—	—	—	—	1	—	4	2	—	1	2	—	16	
10. Other Tuberculous Diseases	23	1	1	1	1	7	6	4	2	—	3	1	—	3	1	1	2	—	—	—	1	2	1	—	2	2	1	—	1	2	15	
11. Syphilis	25	3	—	—	—	—	3	14	5	1	3	—	3	1	1	1	—	2	—	1	3	1	—	2	1	3	—	—	2	1	18	
12. General Paralysis of the Insane	7	—	—	—	—	—	—	7	—	—	—	—	—	—	1	—	—	1	—	1	—	1	—	1	1	1	—	—	—	—	7	
13. Cancer, Malignant Disease	532	—	—	—	—	1	42	245	244	25	30	19	35	33	27	22	19	17	33	26	12	25	35	14	20	23	24	22	57	14	191	
14. Diabetes	40	—	—	—	2	—	3	13	22	3	3	—	1	1	3	—	2	2	2	2	—	1	4	1	2	3	3	—	5	2	20	
15. Cerebral Hæmorrhage	182	—	—	—	—	—	4	50	128	7	10	13	6	8	5	14	3	7	20	15	7	14	8	2	7	2	6	4	18	6	55	
16. Heart Disease	983	—	—	—	4	4	42	251	682	51	63	26	46	52	49	47	24	64	39	54	22	38	71	51	61	39	48	29	64	45	347	
17. Aneurysm	20	—	—	—	—	—	1	11	8	1	1	—	—	1	—	—	—	—	—	—	1	2	1	3	1	—	2	1	5	1	8	
18. Other Circulatory Diseases	225	—	—	—	—	—	4	52	169	14	12	10	13	16	7	4	4	15	15	8	6	9	22	10	14	14	8	4	13	7	113	
19. Bronchitis	95	5	1	—	—	—	6	26	57	5	5	1	6	4	4	9	2	3	4	6	2	5	6	4	5	4	5	3	9	3	22	
20A. Broncho-Pneumonia	135	63	15	4	1	—	7	22	23	7	6	3	5	9	8	8	5	8	3	7	2	5	8	6	11	6	8	3	13	4	59	
20. Pneumonia (all forms excluding Broncho-Pneumonia)	81	8	2	2	5	—	13	32	19	6	3	3	4	8	3	3	2	6	4	4	6	1	4	1	5	1	5	1	6	5	42	
21. Other Respiratory Diseases	23	1	—	—	—	1	2	7	12	1	1	1	2	1	2	—	3	1	—	1	1	—	1	2	—	—	—	1	3	2	10	
22. Peptic Ulcer	42	—	—	—	—	—	8	21	13	2	—	3	3	2	1	2	3	2	3	2	—	2	2	2	2	1	1	1	5	3	31	
23. Diarrhœa (all ages)	69	58	1	—	—	—	3	4	3	6	4	2	5	4	2	1	2	2	—	2	—	1	5	3	7	1	5	—	8	9	56	
24. Appendicitis	25	—	—	2	1	4	7	9	2	—	3	2	2	5	1	1	1	—	2	1	1	1	1	1	—	1	—	—	2	—	19	
25. Cirrhosis of the Liver	4	—	—	—	—	—	—	4	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	1	—	1	
26. Other Diseases of the Liver	23	—	—	—	—	—	2	9	12	—	—	2	1	1	3	1	2	—	1	4	—	1	—	1	1	—	—	2	2	1	15	
27. Other Digestive Diseases	77	7	1	2	4	4	7	26	26	1	5	2	5	6	5	4	2	6	4	5	—	2	8	4	2	2	3	2	5	4	51	
28. Acute and Chronic Nephritis	72	—	—	—	2	2	8	24	36	3	5	4	2	2	2	2	1	2	2	9	3	3	3	3	4	2	2	5	7	6	31	
29. Puerperal Sepsis	5	—	—	—	—	—	5	—	—	—	—	—	—	—	—	—	—	1	2	—	—	—	1	—	—	—	—	1	—	—	4	
30. Other Puerperal Causes	13	—	—	—	—	3	10	—	—	—	3	—	1	1	1	1	—	—	—	—	—	—	2	2	—	—	—	—	2	—	7	
31. Congenital Debility and Malformations, Premature Birth	155	153	—	2	—	—	—	—	—	2	13	4	9	11	8	6	6	5	2	4	1	3	13	10	8	6	9	4	21	10	81	
32. Senility	129	—	—	—	—	—	—	—	129	3	9	7	6	2	7	9	4	1	6	3	5	9	5	3	8	4	8	3	15	12	69	
33A. Drowning (excluding Suicide)	18	1	—	1	2	2	5	4	3	1	1	—	—	1	2	—	2	1	—	1	3	—	1	—	1	2	—	—	2	—	1	
33. Suicide	52	—	—	—	1	2	17	22	10	8	—	2	3	6	2	1	3	2	1	—	3	2	3	2	2	2	2	—	7	1	3	
34. Other Violence	150	4	6	6	7	11	19	40	57	10	12	9	18	13	11	6	3	9	2	5	1	3	7	4	6	4	3	5	13	6	79	
35A. Alcoholism	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
B. Anthrax	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
C. Poliomyelitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
35. Other defined Causes	262	26	1	3	13	11	41	87	80	18	11	20	13	9	11	10	4	14	6	16	3	12	21	11	10	14	17	5	29	8	154	
36. Causes ill-defined or unknown	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Totals	3808	339	36	38	70	107	367	1080	1771	189	224	143	199	218	179	166	113	185	171	191	92	152	268	158	205	157	177	105	350	166	1664	

Cause of Death	Net Deaths at the subjoined ages of "Residents" whether occurring within or without the District											Net Deaths (in Wards) of "Residents" whether occurring within or without the District																				Total Deaths in Institutions		
	All Ages	Male	Female	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 and upward	Albert	Alexandra	Beverley	Botanic	Coltman	Drypool	East Central	Marfleet	Myton	Newland	N. Newington	Paragon	Park	Pickering	St. Andrew's	Southcoates	S. Newington	Stoneferry	Sutton	University	W. Central		
All Causes—Certified	4088	2276	1812	344	61	45	57	130	381	1159	1911	199	226	169	201	244	187	162	138	171	137	181	107	163	285	183	244	206	200	120	344	221	1700	
Uncertified	1	1	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1. Typhoid and Paratyphoid Fevers	2	2	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1	—	—	2	
2. Cerebro-Spinal Fever	18	12	6	4	2	5	4	1	1	1	—	1	2	—	—	1	—	—	1	—	—	1	—	—	1	1	3	3	—	2	2	—	14	
3. Scarlet Fever	2	1	1	—	—	—	2	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	2	
4. Whooping Cough	12	4	8	6	4	2	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	1	—	—	—	1	—	2	—	—	3	—	5	
5. Diphtheria	17	10	7	1	1	7	8	—	—	—	—	—	1	—	1	2	—	1	3	1	—	—	1	—	—	2	3	—	1	1	—	2	1	15
6. Tuberculosis of the Respiratory System	259	151	108	—	—	—	2	55	100	88	14	18	17	11	9	17	12	4	6	11	5	9	9	9	17	13	19	15	8	9	31	10	123	
6a. Tuberculous Meningitis	27	11	16	3	4	5	8	2	3	1	1	—	1	1	1	1	—	1	1	—	1	1	—	2	1	1	3	4	—	2	5	1	24	
7. Other forms of Tuberculosis	26	18	8	3	2	—	—	7	8	5	1	2	1	2	1	2	—	2	2	2	—	—	1	1	4	—	1	1	1	3	—	—	11	
8. Syphilitic Disease	44	30	14	1	—	—	—	2	8	24	9	3	3	3	2	4	3	3	2	1	1	2	1	—	2	3	1	2	1	—	1	6	27	
9. Influenza	72	47	25	1	1	—	—	3	12	26	29	2	2	4	11	2	1	3	2	2	3	1	2	6	8	2	3	3	2	1	7	5	5	
10. Measles	8	5	3	2	4	2	—	—	—	—	—	—	—	—	—	3	—	—	1	—	—	—	—	—	—	1	—	—	—	1	1	1	4	
11. Acute Poliomyelitis and Polioencephalitis	2	—	2	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	
12. Acute Infectious Encephalitis	2	1	1	—	—	—	—	—	—	2	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	2	
13M. Cancer of the Buccal Cavity and Oesophagus (males only)	33	33	—	—	—	—	—	—	—	12	21	2	1	2	1	2	3	—	—	2	1	1	4	3	1	1	3	3	—	—	3	—	17	
13F. Cancer of the Uterus	39	—	39	—	—	—	—	—	6	21	12	3	1	2	1	2	—	—	4	4	1	2	1	2	3	2	1	—	1	3	3	3	12	
14. Cancer of the Stomach and Duodenum	119	70	49	—	—	—	—	—	10	47	62	4	9	7	2	6	3	4	4	4	3	1	3	3	10	8	7	10	4	3	14	10	40	
15. Cancer of the Breast	45	—	45	—	—	—	—	—	4	25	16	1	1	1	2	2	1	1	1	—	4	1	1	2	4	1	1	2	6	3	5	5	19	
16. Cancer of all other sites	275	167	108	—	—	—	1	2	17	125	130	8	14	10	13	14	9	12	9	12	20	13	3	13	31	8	14	17	18	7	18	12	134	
17. Diabetes	32	12	20	—	—	—	—	1	4	8	19	4	—	—	1	3	2	3	—	—	2	—	—	—	3	2	4	3	2	1	—	2	20	
18. Intra-cranial Vascular-Lesions	365	175	190	—	—	—	—	—	5	96	264	16	12	8	16	23	14	14	10	16	16	27	9	17	35	8	16	11	22	8	43	24	160	
19. Heart Disease	971	511	460	—	—	—	3	8	38	234	688	61	66	42	53	61	35	36	36	57	28	54	26	32	51	43	56	41	48	24	75	46	303	
20. Other diseases of Circulatory System	74	48	26	—	—	—	—	—	1	19	54	3	7	5	4	2	4	4	3	3	5	1	2	2	5	3	1	5	2	2	8	3	33	
21. Bronchitis	329	200	129	12	4	1	—	3	14	125	170	18	23	11	13	20	21	17	8	6	14	11	10	13	17	17	25	16	14	11	21	23	50	
22. Pneumonia	74	57	17	5	3	1	3	—	12	32	18	5	5	5	3	4	4	2	1	3	3	3	—	1	8	4	5	4	3	1	7	3	26	
22A. Broncho-pneumonia	212	116	96	99	25	6	1	2	3	32	44	13	10	6	15	9	14	13	6	14	3	8	4	5	12	14	14	8	5	4	20	15	108	
23. Other respiratory diseases	48	30	18	—	—	—	—	—	5	20	23	2	1	5	1	3	3	—	4	1	1	4	1	5	2	2	3	1	7	—	1	1	27	
24. Ulceration of the Stomach and Duodenum	41	32	9	—	—	—	—	—	5	29	7	5	3	3	5	3	—	3	—	1	—	—	—	2	3	1	—	4	1	1	5	1	35	
25. Diarrhœa (under 2 years of age)	56	29	27	53	3	—	—	—	—	—	—	3	1	2	2	6	8	3	1	3	1	—	—	2	3	7	5	8	—	—	—	1	39	
26. Appendicitis	16	7	9	—	—	—	3	4	7	2	—	1	—	—	—	2	3	—	1	—	—	—	—	—	1	1	1	1	—	1	4	—	14	
27. Other digestive diseases	94	52	42	2	1	2	1	1	12	34	41	2	3	3	2	5	3	3	7	4	2	4	1	5	12	5	7	4	8	2	4	8	60	
28. Nephritis	95	44	51	—	—	1	1	11	2	38	42	3	5	8	7	7	4	3	1	3	2	2	5	9	2	5	2	8	10	4	3	2	36	
29. Puerperal and Post Abortive Sepsis	6	—	6	—	—	—	—	3	3	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	1	—	—	—	1	—	—	1	3	
30. Other Maternal Causes	8	—	8	—	—	—	—	3	4	1	—	—	—	1	—	1	1	—	—	—	—	1	—	—	—	—	—	1	1	—	—	2	2	
31. Premature Birth	64	38	26	64	—	—	—	—	—	—	—	—	2	3	4	5	5	2	2	1	—	2	1	1	7	5	2	3	4	2	9	4	14	
32. Congenital Malformations, Birth Injury, Infantile Disease	75	46	29	72	1	—	—	2	—	—	—	2	2	1	2	8	4	4	—	2	1	7	2	1	9	4	7	3	5	3	7	1	28	
33. Suicide	30	17	13	—	—	—	—	—	8	14	8	3	2	1	2	1	—	—	1	—	2	2	1	2	1	—	4	—	2	2	2	2	6	
33A. Drowning (excluding suicide)	32	32	—	—	1	1	—	3	10	12	5	1	3	1	1	1	6	—	2	4	1	—	3	—	1	1	1	—	1	2	1	2	1	
34. Road Traffic Accidents	33	25	8	—	1	3	2	6	6	13	2	4	2	1	3	—	1	1	3	1	—	1	2	1	3	1	4	—	—	3	2	—	19	
35. Other Violent Causes	99	59	40	2	1	5	3	4	16	20	48	4	5	1	3	5	6	3	5	7	4	3	8	8	5	5	7	6	3	4	4	3	65	
35A. War Operations	23	15	8	—	—	—	1	5	13	3	1	1	4	2	1	1	—	1	2	—	1	1	—	—	2	—	1	2	3	1	—	—	4	
36. All other causes	310	170	140	14	2	3	14	1	43	50	183	5	15	16	19	16	15	16	9	7	11	16	7	16	17	9	23	13	15	9	33	23	190	
Totals	4089	2277	1812	344	61	45	57	130	381	1159	1912	200	226	169	201	244	187	162	138	171	137	181	107	163	285	183	244	206	200	120	344	221	1700	

TABLE IIC.—PRINCIPAL CAUSES OF DEATH, 1941.

Cause of Death	Net Deaths at the subjoined ages of "Residents" whether occurring within or without the District											Net Deaths (in Wards) of "Residents" whether occurring within or without the District																					Total Deaths in Institutions
	All Ages	Male	Female	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 and upward	Albert	Alexandra	Beverley	Botanie	Coltman	Drypool	East Central	Marfleet	Myton	Newland	N. Newington	Paragon	Park	Pickering	St. Andrew's	Southcoates	S. Newington	Stoneferry	Sutton	University	W. Central	
All Causes—Certified	4612	2463	2149	292	76	113	164	221	622	1278	1846	227	252	155	278	268	252	160	141	188	180	248	119	195	307	163	261	223	206	127	412	250	1611
Uncertified	2	2	—	—	—	—	—	1	1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—
1. Typhoid and Paratyphoid Fevers	2	2	—	—	—	—	—	—	1	1	—	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2
2. Cerebro-Spinal Fever	19	12	7	4	2	4	1	2	4	1	1	1	2	2	—	—	—	1	2	—	—	2	—	—	1	1	2	—	—	1	2	2	15
3. Scarlet Fever	1	—	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. Whooping Cough	23	5	18	12	8	3	—	—	—	—	—	—	—	1	2	2	1	2	—	2	—	1	1	1	—	—	—	2	1	—	5	2	16
5. Diphtheria	24	14	10	—	3	15	6	—	—	—	—	1	4	—	1	1	—	3	2	—	—	1	—	—	2	1	—	—	—	—	6	2	21
6. Tuberculosis of the Respiratory System	230	134	96	—	—	—	1	50	107	56	16	12	14	9	9	16	14	7	11	7	7	14	5	3	23	5	11	14	9	9	22	9	118
6A. Tuberculous Meningitis	29	14	15	5	2	8	5	9	—	—	—	1	1	—	1	2	3	—	1	—	2	1	—	2	1	2	1	2	1	2	5	1	25
7. Other forms of Tuberculosis	15	8	7	—	3	1	2	5	1	3	—	1	1	—	1	—	—	1	2	1	1	—	—	—	—	1	3	—	2	1	7		
8. Syphilitic Disease	46	35	11	—	—	—	—	—	11	20	15	4	2	—	4	4	4	—	2	2	1	1	1	2	7	1	1	4	2	2	2	—	22
9. Influenza	36	20	16	1	—	—	—	—	2	12	21	1	—	1	5	2	—	1	—	—	7	1	2	2	2	1	1	—	1	2	4	3	3
10. Measles	12	7	5	4	4	4	—	—	—	—	—	—	—	—	2	—	1	2	—	—	—	1	—	—	—	2	1	2	—	—	1	—	4
11. Acute Poliomyelitis and Polioencephalitis	2	—	2	—	—	—	—	—	2	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—
12. Acute Infectious Encephalitis	4	2	2	1	—	—	—	—	1	2	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	1
13M. Cancer of the Buccal Cavity and Oesophagus (males only)	36	36	—	—	—	—	—	—	—	12	24	—	4	—	4	5	1	1	—	2	—	1	2	—	3	—	4	2	—	—	3	4	19
13F. Cancer of the Uterus	48	—	48	—	—	—	—	—	7	30	11	—	2	3	4	3	2	1	2	—	3	2	—	1	3	1	2	5	1	2	10	1	25
14. Cancer of the Stomach and Duodenum	83	54	29	—	—	—	—	—	2	33	48	2	5	2	5	6	1	5	2	2	1	6	1	1	7	4	2	4	7	5	9	6	28
15. Cancer of the Breast	37	—	37	—	—	—	—	—	3	24	10	1	3	1	—	4	1	—	2	—	4	4	—	—	3	2	—	1	4	—	5	2	9
16. Cancer of all other sites	258	153	105	1	—	—	1	2	17	95	142	10	11	14	11	14	9	2	12	4	12	18	5	11	24	11	13	16	11	5	29	16	106
17. Diabetes	31	16	15	—	—	—	2	1	3	11	14	1	2	—	—	2	1	2	—	—	3	2	1	1	3	—	2	2	3	1	3	2	15
18. Intra-Cranial Vascular Lesions	351	150	201	—	—	—	1	—	5	87	258	14	11	8	24	20	13	12	8	14	17	26	5	16	28	14	15	17	12	11	46	20	155
19. Heart Disease	890	477	413	—	—	—	—	7	35	212	636	48	46	30	44	63	36	33	21	44	38	58	20	35	57	36	43	48	33	27	77	53	360
20. Other diseases of Circulatory System	60	30	30	—	—	—	—	—	1	11	48	1	3	5	3	4	1	4	2	—	7	3	2	6	5	2	—	3	4	—	3	2	28
21. Bronchitis	208	128	80	20	1	1	—	1	2	70	113	7	14	7	12	8	7	9	7	5	6	9	6	9	15	15	20	13	6	7	12	14	33
22. Pneumonia	89	49	40	4	4	2	1	6	12	35	25	2	6	2	4	5	7	3	6	2	1	4	7	2	4	4	1	6	5	2	12	4	35
22A. Broncho-pneumonia	203	100	103	85	20	13	3	—	8	35	39	14	16	7	11	16	15	12	4	5	6	6	6	4	11	12	8	12	11	5	12	10	74
23. Other Respiratory Diseases	33	24	9	1	—	—	—	2	4	17	9	1	3	1	4	—	1	1	4	1	3	4	2	3	1	1	—	—	1	—	2	—	20
24. Ulceration of the Stomach and Duodenum	47	43	4	—	—	—	—	1	10	30	6	2	4	2	3	—	2	2	1	4	2	2	—	2	6	3	2	—	2	—	5	3	32
25. Diarrhœa (under 2 years of age)	23	14	9	20	3	—	—	—	—	—	—	1	1	—	1	4	—	1	1	—	1	5	—	—	—	4	2	1	—	1	—	—	11
26. Appendicitis	11	7	4	—	—	—	6	1	1	3	—	—	—	—	—	1	—	—	2	—	1	—	—	—	—	1	1	—	1	—	3	1	10
27. Other digestive diseases	83	42	41	5	1	3	1	4	6	24	39	3	1	3	5	9	5	4	2	—	3	8	1	4	6	1	1	4	6	2	7	8	51
28. Nephritis	83	45	38	—	—	—	1	2	10	37	33	3	5	2	6	8	2	1	3	1	3	1	1	2	7	5	3	7	5	1	14	3	22
29. Puerperal and post abortive sepsis	3	—	3	—	—	—	—	—	3	--	—	—	—	—	—	1	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	2
30. Other maternal causes	13	—	13	—	—	—	—	1	12	—	—	—	—	—	—	1	1	1	—	—	1	1	—	1	1	2	—	—	1	—	3	—	5
31. Premature Birth	50	25	25	50	—	—	—	—	—	—	—	—	—	3	3	2	1	—	3	—	3	5	—	1	5	3	5	—	3	1	9	3	10
32. Congenital Malformations, etc.	56	39	17	48	—	1	3	—	2	2	—	2	2	1	1	6	1	2	1	1	3	5	—	1	5	4	3	2	3	2	9	2	16
33. Suicide	31	22	9	—	—	—	—	2	9	17	3	—	3	1	4	—	2	1	1	—	2	3	—	—	3	2	2	2	—	2	2	1	5
33A. Drowning (excluding suicide)	36	32	4	—	—	2	2	4	12	12	4	3	5	1	1	3	2	2	3	3	—	2	1	—	3	—	2	1	—	1	1	2	—
34. Road Traffic Accidents	43	35	8	—	—	1	4	4	8	13	13	2	2	1	3	3	—	—	—	3	—	1	4	1	7	3	4	2	2	1	4	—	28
35. Other Violent Causes	95	55	40	8	—	3	5	7	12	21	39	2	6	3	8	7	4	3	2	1	5	3	3	4	6	6	5	6	2	5	7	7	34
35A. War Operations	978	492	486	14	22	47	111	108	268	288	120	79	64	33	76	31	103	27	32	73	24	24	41	66	33	4	98	21	35	11	49	54	83
36. All other causes	294	144	150	9	3	5	7	3	43	64	160	7	7	12	15	16	9	14	—	11	13	22	2	14	25	11	4	20	34	19	26	13	161
Totals	4616	2465	2151	292	76	113	164	222	624	1278	1847	227	253	155	278	269	252	160	141	188	180	248	119	195	307	164	261	223	206	127	412	251	1611

Cause of Death	Net Deaths at the subjoined ages of "Residents" whether occurring within or without the District											Net Deaths (in Wards) of "Residents" whether occurring within or without the District																					Total Deaths in Institutions
	All Ages	Male	Female	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 and upward	Albert	Alexandra	Beverley	Botanic	Coltman	Drypool	East Central	Marfleet	Myton	Newland	N. Newington	Paragon	Park	Pickering	St. Andrew's	Southcoates	S. Newington	Stoneferry	Sutton	University	W. Central	
All Causes—Certified	3099	1659	1440	272	22	34	55	129	280	880	1427	95	185	117	204	176	97	119	106	66	156	198	51	102	246	136	141	166	159	132	299	148	1319
Uncertified	3	3	—	—	—	—	—	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	2	—	—
1. Typhoid and Paratyphoid Fevers	4	2	2	—	—	—	—	—	2	2	—	—	—	1	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	1	3
2. Cerebro-Spinal Fever	8	5	3	1	—	3	1	—	2	—	1	—	—	—	—	1	—	1	—	1	—	—	—	—	2	—	2	1	—	—	—	—	6
3. Scarlet Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. Whooping Cough	3	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	2	—	—	—	—	2
5. Diphtheria	10	6	4	1	1	2	5	1	—	—	—	—	1	1	2	1	—	—	1	—	—	—	1	—	—	—	2	—	1	—	—	—	9
6. Tuberculosis of the Respiratory System	177	95	82	—	1	—	1	39	70	59	7	9	12	3	14	13	8	11	6	3	5	7	3	5	14	4	7	7	10	10	18	8	94
6A. Tuberculous Meningitis	15	6	9	3	4	3	3	2	—	—	—	—	—	1	—	—	2	—	—	1	1	2	1	1	—	2	—	1	1	—	1	1	12
7. Other forms of Tuberculosis	24	14	10	—	1	5	4	5	5	2	2	1	—	1	3	1	2	1	2	1	3	1	—	1	1	1	1	1	—	—	3	—	15
8. Syphilitic Disease	48	34	14	—	—	—	—	1	4	31	12	2	4	1	3	2	1	3	4	1	1	3	—	2	2	2	6	2	—	1	6	2	31
9. Influenza	11	8	3	—	—	—	1	1	2	5	2	—	—	—	—	—	—	—	3	—	—	—	—	—	1	1	—	1	—	—	4	1	1
10. Measles	3	—	3	1	1	—	1	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	1
11. Acute Poliomyelitis and Polioencephalitis	1	—	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1
12. Acute Infectious Encephalitis	2	2	—	—	—	—	—	—	—	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
13M. Cancer of the Buccal Cavity and Oesophagus (males only)	31	31	—	—	—	—	—	—	—	9	22	2	1	1	1	1	4	1	—	2	1	4	3	1	—	2	1	1	—	—	2	3	20
13F. Cancer of the Uterus	43	—	43	—	—	—	—	—	4	22	17	1	2	1	3	3	1	2	4	—	1	4	—	—	1	2	4	5	4	1	3	1	12
14. Cancer of the Stomach and Duodenum	100	64	36	—	—	—	—	—	5	49	46	2	4	3	8	8	—	1	2	1	6	5	3	1	10	3	5	6	7	7	15	3	31
15. Cancer of the Breast	36	—	36	—	—	—	—	—	1	21	14	—	—	—	1	3	—	4	1	—	4	2	—	1	5	—	1	4	3	2	3	2	13
16. Cancer of all other sites	235	138	97	—	1	—	1	1	17	98	117	9	15	8	8	16	7	2	8	4	11	13	5	10	23	8	7	12	14	16	31	8	105
17. Diabetes	20	7	13	—	—	—	—	1	4	3	12	—	—	1	1	1	—	1	—	—	1	1	—	1	4	2	1	1	2	—	1	2	10
18. Intra-Cranial Vascular Lesions	273	123	150	—	—	—	—	—	4	89	180	12	13	10	16	9	9	7	6	5	22	22	4	15	24	10	15	9	17	6	27	15	149
19. Heart Disease	736	377	359	—	1	1	1	5	28	170	530	20	33	31	52	49	12	33	28	23	46	51	18	20	59	33	24	44	31	36	61	31	236
20. Other diseases of Circulatory System	63	35	28	—	—	—	—	—	1	8	54	1	2	5	3	6	3	2	—	4	4	2	1	1	3	—	4	2	3	2	11	4	33
21. Bronchitis	162	97	65	4	—	1	—	1	12	57	87	4	8	6	14	11	6	5	9	2	5	10	1	7	13	5	3	7	6	7	20	13	29
22. Pneumonia	50	37	13	5	—	1	—	2	3	20	19	3	4	1	3	5	1	4	2	5	1	1	—	2	1	1	5	3	2	1	2	3	31
22A. Broncho-pneumonia	116	71	45	48	3	4	1	—	3	16	41	4	9	5	6	6	6	3	2	—	4	7	3	4	3	8	9	13	5	2	8	9	44
23. Other Respiratory Diseases	24	12	12	—	—	—	—	—	5	12	7	2	1	2	1	—	—	—	3	1	3	3	—	—	1	—	1	1	2	2	1	—	6
24. Ulceration of the Stomach and Duodenum	39	32	7	—	—	1	—	1	4	29	4	3	2	4	2	2	2	1	—	—	4	2	—	1	3	1	1	—	2	2	6	1	29
25. Diarrhœa (under 2 years of age)	61	36	25	61	—	—	—	—	—	—	—	5	—	1	6	6	2	4	—	2	1	4	—	4	2	3	6	2	3	3	5	2	48
26. Appendicitis	13	8	5	—	—	—	2	1	6	2	2	—	2	—	—	—	1	—	—	—	2	—	—	—	2	—	1	1	1	1	1	1	11
27. Other digestive diseases	57	29	28	5	—	—	1	1	6	18	26	3	2	2	4	3	—	5	2	1	3	2	1	—	7	3	1	3	4	—	8	3	38
28. Nephritis	91	49	42	—	—	1	3	3	8	34	42	3	2	4	7	6	7	5	4	1	2	4	3	5	5	2	1	3	8	2	10	7	31
29. Puerperal and Post Abortive Sepsis	3	—	3	—	—	—	—	2	1	—	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	—	—	1	—	—	—	—	3
30. Other Maternal causes	4	—	4	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	1	—	—	—	1	—	—	—	2
31. Premature Birth	58	29	29	58	—	—	—	—	—	—	—	2	3	3	5	3	—	2	2	—	2	4	—	—	9	3	5	2	1	3	7	2	13
32. Congenital Malformations, etc.	74	47	27	67	2	1	2	—	—	2	—	1	2	3	1	9	3	3	3	1	1	5	—	2	9	3	5	5	2	2	10	4	29
33. Suicide	19	12	7	—	—	—	—	4	6	7	2	—	1	—	1	—	—	—	1	—	2	1	—	—	2	—	—	3	3	1	4	—	5
33A. Drowning (excluding suicide)	16	15	1	—	2	—	1	3	1	6	3	—	4	1	—	1	3	1	1	1	—	—	1	—	—	1	1	—	—	—	2	—	—
34. Road Traffic Accidents	25	17	8	—	—	1	1	1	5	10	7	—	2	—	1	—	1	—	1	—	1	1	—	1	2	1	2	4	—	2	5	1	14
35. Other Violent Causes	86	52	34	6	2	2	7	8	12	20	29	4	6	7	5	4	3	2	4	1	2	7	—	3	4	—	7	8	7	4	4	4	46
35A. War Operations	101	45	56	2	2	3	14	25	19	25	11	1	37	—	13	1	3	—	—	2	6	1	—	1	7	26	1	—	—	1	1	—	8
36. All other causes	260	125	135	7	1	5	5	19	38	54	131	—	13	9	19	5	10	15	6	1	11	28	3	13	25	9	11	11	19	17	20	15	147
Totals	3102	1662	1440	272	22	34	55	130	280	881	1428	95	185	117	204	176	97	119	106	66	156	198	51	102	247	136	141	166	159	132	301	148	1319

TABLE IIE.—PRINCIPAL CAUSES OF DEATH, 1943.

Cause of Death	Net Deaths at the subjoined ages of "Residents" whether occurring within or without the District											Net Deaths (in Wards) of "Residents" whether occurring within or without the District																				Total Deaths in Institutions		
	All Ages	Male	Female	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 and upward	Albert	Alexandra	Beverley	Botanic	Coltman	Drypool	East Central	Marfleet	Myton	Newland	N. Newington	Paragon	Park	Pickering	St. Andrew's	Southcoates	S. Newington	Stoneferry	Sutton	University	W. Central		
All Causes—Certified	3370	1815	1555	301	47	44	67	98	301	889	1623	137	157	132	206	215	126	101	99	74	183	154	66	100	319	161	162	184	152	123	329	181	1601	
Uncertified	4	4	—	—	—	—	3	—	—	—	1	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1	—	2	—	3	
1. Typhoid and Paratyphoid Fevers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2. Cerebro-Spinal Fever	6	2	4	1	—	3	—	—	2	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	1	1	—	—	1	—	1	6	
3. Scarlet Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
4. Whooping Cough	21	9	12	12	7	1	1	—	—	—	—	1	2	—	—	4	1	—	1	—	1	1	—	—	1	1	1	3	1	2	—	1	14	
5. Diphtheria	6	3	3	1	—	1.	4	—	—	—	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	3	6	
6. Tuberculosis of the Respiratory System	214	126	88	1	—	2	2	45	80	73	11	9	4	7	11	16	7	5	9	7	10	6	5	3	16	13	15	11	10	7	27	16	114	
6A. Tuberculous Meningitis	26	13	13	5	4	6	4	4	2	1	—	2	1	2	—	1	—	1	1	—	—	2	—	—	2	4	2	2	1	2	3	—	25	
7. Other forms of Tuberculosis	20	13	7	—	1	2	3	5	7	2	—	1	—	2	—	—	2	1	1	—	—	—	—	1	3	2	—	2	1	—	3	1	14	
8. Syphilitic Disease	51	33	18	4	—	—	—	1	5	21	20	6	1	2	4	1	3	5	3	1	3	1	2	—	3	2	—	5	1	2	6	—	33	
9. Influenza	69	31	38	2	—	—	—	—	10	16	41	—	3	4	5	5	2	1	2	—	10	4	—	2	8	—	1	5	3	3	8	3	9	
10. Measles	24	10	14	8	7	5	4	—	—	—	—	—	4	1	1	1	—	1	—	—	2	—	—	—	—	2	—	1	2	—	6	3	14	
11. Acute Poliomyelitis and Polioencephalitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
12. Acute Infectious Encephalitis	2	2	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1	2		
13M. Cancer of the Buccal Cavity and Oesophagus (males only)	29	29	—	—	—	—	—	—	1	7	21	1	—	1	1	1	5	—	2	3	—	2	2	—	3	2	2	—	—	—	3	1	14	
13F. Cancer of the Uterus	43	—	43	—	—	—	—	—	4	26	13	2	2	1	7	2	4	—	—	1	2	1	1	—	2	3	1	2	1	2	7	2	19	
14. Cancer of the Stomach and Duodenum	80	39	41	—	—	—	—	—	7	37	36	—	3	1	3	6	2	2	3	—	4	5	2	3	7	7	9	1	5	2	11	4	32	
15. Cancer of the Breast	32	1	31	—	—	—	—	—	5	12	15	1	3	1	—	1	1	1	1	1	2	4	—	1	4	3	3	1	—	—	2	2	16	
16. Cancer of all other sites	282	165	117	1	—	—	—	5	20	112	144	9	18	14	11	25	7	6	8	4	10	13	8	9	29	12	16	13	22	11	26	11	150	
17. Diabetes	21	8	13	—	—	1	1	1	3	7	8	—	1	1	—	—	—	—	2	—	3	2	—	3	3	—	—	—	2	1	2	1	16	
18. Intra-Cranial Vascular Lesions	290	126	164	—	—	—	—	—	4	73	213	10	11	18	15	14	11	5	6	4	26	18	8	9	25	7	15	18	20	13	25	12	175	
19. Heart Disease	760	387	373	—	—	—	3	8	18	163	568	42	39	24	49	46	27	20	15	25	39	39	16	22	75	42	33	48	25	21	74	39	325	
20. Other diseases of Circulatory System	82	47	35	—	—	—	—	—	—	27	55	—	2	6	6	4	5	6	5	4	1	5	—	2	7	—	4	7	6	3	5	4	46	
21. Bronchitis	204	132	72	6	1	1	1	2	7	53	133	6	12	5	14	13	10	7	4	5	8	14	8	9	19	8	9	14	8	5	19	7	31	
22. Pneumonia	86	59	27	4	—	—	1	—	9	38	34	4	4	1	6	6	2	3	3	2	5	3	6	3	8	2	4	8	5	3	5	3	49	
22A. Broncho-pneumonia	170	87	83	70	13	5	1	2	8	24	47	11	6	5	7	20	4	7	2	1	10	4	2	8	10	15	14	10	3	9	7	15	82	
23. Other Respiratory Diseases	38	27	11	1	—	1	—	—	2	17	17	2	1	2	1	5	—	2	1	1	5	1	—	—	3	1	2	1	1	2	5	2	18	
24. Ulceration of the Stomach and Duodenum	37	29	8	—	—	—	—	1	6	16	14	1	1	1	3	1	2	2	3	2	3	—	1	2	2	2	1	2	2	1	3	2	23	
25. Diarrhœa (under 2 years of age)	39	28	11	36	3	—	—	—	—	—	—	6	3	1	2	7	2	—	—	—	—	—	—	1	1	1	3	3	3	1	1	3	2	36
25A. do. (2 years of age and over)	13	6	7	—	—	3	1	—	3	2	4	—	1	1	1	1	—	1	1	—	—	1	1	1	1	—	—	—	—	1	1	1	6	
26. Appendicitis	6	3	3	—	—	1	1	—	3	—	1	—	—	—	1	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	2	1	5	
27. Other digestive diseases	55	24	31	5	—	—	1	1	6	17	25	3	4	6	2	4	1	1	1	1	5	6	—	2	2	1	2	1	2	3	5	3	34	
27A. Cirrhosis of the Liver	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
28. Nephritis	97	53	44	1	—	—	1	—	11	38	46	2	3	5	5	7	5	5	6	2	7	2	—	5	8	3	4	3	9	3	8	5	31	
29. Puerperal and Post Abortive Sepsis	7	—	7	—	—	—	—	1	6	—	—	1	1	1	—	—	—	—	—	—	1	—	—	—	1	—	—	—	—	1	—	1	7	
30. Other maternal causes	13	—	13	—	—	—	—	2	11	—	—	—	1	—	1	1	—	—	—	—	—	1	—	—	2	1	—	1	2	—	2	1	8	
31. Premature Birth	66	34	32	66	—	—	—	—	—	—	—	2	4	4	4	2	3	—	3	2	—	1	—	1	13	1	1	5	7	5	5	3	23	
32. Congenital Malformations, etc.	71	40	31	58	5	—	1	1	5	1	—	1	5	3	3	4	1	1	1	3	5	6	—	2	14	3	2	1	3	4	7	2	29	
33. Suicide	30	17	13	—	—	—	—	—	11	15	4	2	1	1	1	3	—	2	2	—	1	2	—	2	3	2	2	1	2	1	—	2	7	
33A. Drowning (excluding suicide)	16	15	1	—	1	1	2	2	2	4	4	1	—	—	—	1	4	2	1	1	—	—	1	—	1	1	2	—	—	—	1	—	—	
34. Road Traffic Accidents	27	20	7	—	—	2	6	—	5	6	8	1	2	1	1	1	—	1	1	—	1	—	1	2	7	1	1	1	—	—	2	3	14	
35. Other Violent Causes	77	46	31	8	2	3	5	3	5	15	36	2	4	3	3	4	5	5	4	2	—	4	—	1	9	3	1	6	4	2	9	6	47	
35A. War Operations	51	25	26	1	—	3	8	5	10	20	4	—	3	—	20	—	1	2	4	—	—	—	—	—	1	—	4	—	—	7	2	7	5	
36. All other causes	213	130	83	10	3	3	9	9	22	45	102	8	8	7	16	7	9	4	4	2	17	6	2	6	25	13	7	8	14	4	36	10	119	
	3374	1819	1555	301	47	44	−0	98	301	889	1624	137	157	132	206	215	126	101	100	74	183	154	66	100	319	161	162	184	163	123	330	181	1604	

Deaths from Infectious Diseases. Deaths from the following infectious diseases, with rates per 1,000 of the population, were :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Smallpox	—	—	—	—	—	—
Typhoid and Paratyphoid Fevers	1	3	2	2	4	—
Measles	29	1	8	12	3	24
Scarlet Fever	2	2	2	1	—	—
Whooping Cough	26	5	12	23	3	21
Diphtheria	43	26	17	24	10	6
Diarrhoea and Enteritis ..	69	69	65	33	63	52
Total Deaths	170	106	106	95	83	103
Rate per 1,000 population ..	0·53	0·33	0·40	0·39	0·38	0·47

GENERAL PROVISION OF HOSPITAL AND HEALTH SERVICES IN THE AREA.

Hospital Accommodation. The normal number of hospital beds (excluding those at Mental Hospitals and Mental Deficiency Institutions) in and outside the City for Hull people in 1938 was 2,376. At the commencement of the war this accommodation was re-allocated and the number of beds increased to comply with the requirements of the Emergency Hospitals Scheme.

As the result of damage to hospital buildings by enemy action, a number of beds were rendered unusable. Four huts were accordingly erected and 148 beds provided at two of the Base Hospitals. At the 31st December, 1943, the total number of hospital beds available was 2,768.

Emergency Hospitals Scheme. As a result of the survey made by the Ministry of Health prior to September, 1939, all the municipal hospitals, with the exception of the mental hospitals, were brought within the Emergency Hospitals Scheme.

The Anlaby Road, Beverley Road and Hedon Road Hospitals (admission of maternity cases to the last-named was discontinued as from the 25th August, 1939) were assigned as " Casualty Receiving Hospitals."

The City Hospital for Infectious Diseases at Cottingham was classified as a " Base Hospital."

It was not found necessary to admit E.M.S. patients to the Evan Fraser Hospital or the Tuberculosis Sanatorium, but E.M.S. patients were admitted to the other hospitals at which beds were reserved during the whole period of the war.

The following table shows the number of E.M.S. patients admitted during the years 1939 to 1943, inclusive :—

	Anlaby Road Hospital					Beverley Road Hospital					Hedon Road Hospital					City Hospital				
	1939	1940	1941	1942	1943	1939	1940	1941	1942	1943	1939	1940	1941	1942	1943	1939	1940	1941	1942	1943
Civilian air raid casualties ..	—	5	197	39	4	—	19	294	13	32	—	10	77	5	9	—	—	136	14	1
Members of H.M. Forces Sick and Casualties ..	3	588	178	188	237	1	630	205	15	12	—	47	15	3	—	—	—	24	3	—
Dominion and Allied Forces ..	—	—	11	9	3	—	3	1	2	—	—	—	—	—	—	—	—	—	—	—
Merchant Seamen	—	—	32	61	68	—	—	11	11	3	—	—	—	—	—	—	—	—	—	—
Others	—	—	4	3	—	—	—	—	5	3	—	—	10	—	—	—	—	95	84	—

Public Assistance.

The Anlaby Road and Beverley Road Institutions were brought within the Ministry of Health's Emergency Hospitals Scheme as casualty receiving hospitals. The arrangements necessitated, in conjunction with the voluntary hospitals in the City, the discharge of a number of patients to their own homes, the evacuation to outer hospitals of all children who could not be sent home, and the transfer of some of the adult patients to hospitals outside the City ; chronic "house" cases, together with certain staff from both the above Institutions were removed to the Evan Fraser Hospital, Sutton.

All the hospitals in the City which were included in the Emergency Hospitals Scheme were situated in areas where enemy bombing was concentrated.

As the result of persistent enemy air bombardment, which reached its peak of intensity during the spring and summer of 1941, both the Anlaby

Road and Beverley Road Hospitals sustained considerable damage to wards and other buildings. Fortunately there were no serious injuries to either patients or staff. The functions of the damaged parts of the hospitals were transferred elsewhere within the Institution premises without notable interruption of the hospital services.

A revised Agreement was entered into between the Hull Voluntary Hospitals Council and the Hull Corporation for the admission to the Institution Hospitals of subscribers and their dependents, the Council undertaking to pay to the Corporation 28s. 9d. per person admitted under the Scheme. On the 1st February, 1941, the amount payable per person was increased to 30s. 0d.

Ambulance, etc., Service. Ambulance facilities, entirely separate from those provided for the removal of cases of infectious diseases, continued to be utilized for the public assistance hospital work ; a motor hearse provided by the Corporation was also used for the funerals, whether from the Institutions or elsewhere, undertaken by the Public Assistance Committee.

Anlaby Road Institution—House. Normal accommodation : Men, 210 ; Women, 133 ; Total, 343. The following particulars are given in regard to the years 1938 to 1943 :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of persons in House at 1st January	149	135	32	43	78	46
Number of persons in House at 31st December ..	135	32	43	78	46	42
Number of admissions during the year	75	64	99	133	133	97
Daily average number of inmates	143	97	37	41	44	43
Aggregate number of days during which resident ..	52,026	35,272	13,307	14,855	15,915	15,741

Anlaby Road Institution—Hospital. Prior to September, 1939, 581 beds were available at this hospital, including accommodation for cases of pulmonary tuberculosis and mental cases. To meet war conditions, re-allocation of the hospital beds was necessary, and other parts of the Institution were adapted for hospital use. A total of 847 beds in the hospital and the house was made available for casualty purposes, but this figure varied from time to time as the result of re-allocation of the accommodation, after damage by enemy air bombardment.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of admissions ..	3,895	3,336	2,905	3,047	2,812	3,445
,, ,, major operations	858	733	463	427	415	449
,, ,, minor ,,	454	444	345	379	429	511
Daily average number of patients in hospital ..	528	447	357	293	281	315
Aggregate number of days beds were occupied ..	192,188	163,142	130,229	107,041	102,570	114,818

Radium Treatment.

	1938	*1939*	
Number of cases on register	85	73	Radium treatment at Anlaby Rd. Hospital discontinued during national emergency.
,, ,, new cases	38	24	
,, ,, re-examinations	130	99	
,, ,, re-admissions for further treatment	19	26	

In August, 1939, the radium belonging to the Hull Radium Trust, etc., was, during the emergency, transferred to the Leeds General Infirmary for safety.

Diabetic Clinic. *

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of persons on register	70	66	58	51	51	54
Number of attendances ..	1,383	1,468	1,272	903	601	617

* Facilities limited to persons in receipt of medical out-relief.
Dr. T. Morton Stewart carried on this clinic during the absence of Dr. Muir on war service.

Beverley Road Institution—House (including Margaret Street Homes). Normal accommodation: Men, 274; Women, 149; Children, 36; Total, 459.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of persons in House at 1st January	321	300	102	96	78	89
Number of persons in House at 31st December ..	337	102	96	78	89	86
Number of admissions during the year	268	178	139	142	177	141
Daily average number of inmates	266	204	91	83	81	85
Aggregate days in residence	97,123	74,619	33,200	30,499	29,727	31,067

Margaret Street Children's Homes. At the outbreak of war, the children from the Margaret Street Homes were evacuated to Scarborough, and later (21st April, 1943), Reighton Hall, near Filey, was taken over, and staffed and equipped as a Nursery Home.

Casuals. The Beverley Road Institution is the only institution in the City admitting casuals. Applicants for admission to the casual ward were, as from October, 1939 (when, due to the war, the ward was closed) dealt with as ordinary inmates and admitted to the Institution. Such admissions were, however, comparatively few in number during the war years.

The City Council is represented on the Yorkshire Casual Poor Assistance Authority.

Beverley Road Institution—Hospital. The number of beds available at this Hospital in the first 8 months of 1939 was 400 and included accommodation for surgical tuberculosis, mental and venereal disease cases.

A maximum number of 718 beds was made available in the Hospital and House for casualty purposes, but throughout the years 1939/43, due to damage sustained by enemy action, alterations in the bed accommodation were rendered necessary.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of admissions ..	3,853	3,076	2,857	2,567	2,213	2,634
,, ,, major operations	551	568	575	308	239	380
,, ,, minor operations	701	545	364	346	486	623
Daily average number of patients in hospital ..	394	341	314	206	232	254
Aggregate number of days beds were occupied ..	143,914	124,582	114,471	75,305	84,783	92,687

District Medical Officers and Medical Out-Relief. The City is divided into 10 districts for medical out-relief purposes, and in peace time, there was a District Medical Officer for each district. Difficulty was experienced in carrying out the work during the war, owing to Medical Officers being on service with H.M. Forces. It is now the policy of the Corporation to establish the panel system in each area as soon as circumstances permit. This system is already in operation in districts Nos. 4, and 10, and is working satisfactorily.

Surgical Appliances, Spectacles, Dentures, etc. Particulars of the supply of appliances, etc., dealt with, through the interavailability of the clinic services, during the years 1938 to 1943 were as follows :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Surgical boots, splints, calipers, etc.	39	45	31	23	18	10
Spectacles, artificial eyes, etc.	520	287	188	158	219	222
Dentures	299	153	115	60	62	56
Trusses, belts, elastic bandages, etc.	50	36	46	28	35	34
Artificial limbs	17	10	12	11	13	7
Other appliances	10	6	13	8	7	6

Other Services.

Public Mortuary, Castle Street. The post-mortem examinations held at the Public Mortuary were as under :—

1938	*1939*	*1940*	*1941*	*1942*	*1943*
296	356	438	377	368	432

Inquests are held at the Coroner's Court, in the Guildhall.

Dr. Norman Jennings, His Majesty's Coroner for the City, has kindly furnished the following statistics in relation to inquests, post-mortems, etc.—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Inquests and post-mortems (including post-mortems where inquests were found to be unnecessary) ..	480	559	588	625*	507*	604
Enquiries, etc., in connection with which there were no post-mortems	72	72	102	71	67	79
	552	631	690	696	574	683

* Including 83 inquests in 1941 and 8 in 1942 held in connection with deaths which occurred as the result of war operations.

Cremation. The Crematorium is on a site adjoining the Hedon Road Cemetery. It was the first Municipal Crematorium in the country, and was opened on the 2nd January, 1901, the first cremation taking place on the 7th January of that year.

The number of cremations during 1938 to 1943 were :—

1938	*1939*	*1940*	*1941*	*1942*	*1943*
301	371	339	426	337	434

Chemical and Bacteriological Laboratories. Hereunder is a summary of the number of chemical analyses, etc., and bacteriological examinations performed at the City Laboratories in the years 1938 to 1943.

This work is at present carried out under the direction of D. J. T. Bagnall, Esq., A.C.G.F.C., F.R.I.C., who was appointed City Analyst in August, 1940.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
1. Chemical analyses, etc. including—	4,433	3,752	3,274	3,062	3,432	4,120
Food and Drugs Act samples	2,435	2,286	2,469	2,523	2,503	2,589
2. Bacteriological examinations including—	10,342	6,270	4,490	5,175	6,267	7,279
(*a*) Pathological specimens	9,770	5,711	3,847	4,654	5,705	6,642
(*b*) Milk, Drinking Water and miscellaneous samples	572	559	643	521	562	637

Welfare of the Blind.

The Secretary and Manager of the Hull and East Riding Institute for the Blind has kindly supplied the following information.

Number of blind persons (including evacuees) on the register of the Authority in the years 1938 to 1943, were as under :—

1938	*1939*	*1940*	*1941*	*1942*	*1943*
654	623	601	566	565	566

In 1939, immediately prior to the outbreak of hostilities, 106 blind persons were taken by special buses to various billets outside the City, 25 (women) from the Rockliffe Home being evacuated to Scarborough, at the Home for the National Institute for the Blind. A few were evacuated privately and the remainder were taken to various homes for blind persons in the East Riding. The highest number evacuated was in 1941, when the total was 134.

Employment and Instruction. The registered blind are assisted and supervised by 5 Home Teachers (2 male and 3 female) who devote their whole time to the work.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Visits to homes of the blind	6,721	5,892	5,528	5,788	4,335	4,787
Examinations by two ophthalmic surgeons of applicants for benefits to the blind under the Blind Persons Acts	112	94	62	*	77	73
Number of persons found to be blind within the meaning of the Blind Persons Acts	44	42	43	*	52	50
Number not blind	68	52	19	*	25	23

*Information not available.

Table giving classification of blind persons of 16 years of age and over according to their ability to work :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Employed	132	121	114	101	109	106
Trained but not employed	2	5	—	4	1	1
Under training	13	11	8	4	1	4
Trainable, but not under training	—	—	—	—	—	—
Unemployable	492	473	466	442	441	442

SANITARY CIRCUMSTANCES OF THE AREA.

Water. The following information has been furnished by T. H. Jones, Esq.,M.Inst.C.E., the Water Engineer and Manager :—

In the period under review, the supply has been satisfactory both in quality and quantity. Bacteriological examinations have been made weekly and chemical examinations at varying intervals. The chloramine process has been in operation, the dosage being 0·15 parts per million.

All water leaving the pumping stations is bacteriologically pure. When new mains are laid or alterations take place, such mains are sterilised and tested before the water is put into circulation.

All water taken from the Corporation's supply is by direct main connections.

Drainage and Sewerage. The particulars hereunder are from information supplied by Wm. Morris, Esq., O.B.E., M.Inst.C.E., F.R.San.I., etc., the City Engineer and Surveyor :—

During the period 1939 to 1943 no progress was made in the main drainage scheme, but towards the end of 1943, when the question of post-war housing was under consideration, a deputation of the Works Committee and the Housing and Town Planning Committee, together with the Town Clerk and the City Engineer, met Ministry of Health officials in Whitehall to discuss the question of main drainage and its relation to housing and post-war development.

Public Cleansing. The collection and disposal of refuse, street cleaning, and the maintenance of public lavatories in the City are under the control of the Cleansing Superintendent, who issues a separate report upon the work of this department.

SANITARY INSPECTION OF DISTRICT.

The total number of inspections carried out by the Chief Sanitary Inspector and his staff in 1939 was 24,255, in addition to which 14,893 re-visits were made. Further, 432 houses were inspected under the Housing Acts, 1925-1936, and 2,133 inspections were made to ascertain whether the works in the informal notices served in respect of 432 dwellinghouses had been carried out.

During the year 1939, 6,600 informal and 391 statutory notices with regard to the abatement of nuisances, etc., were served, compared with 7,634 informal and 407 statutory notices served in 1938.

Whilst in the years 1940 to 1943 the normal work of the inspectors in the Sanitary Section of the Health Department was seriously affected by the devastation caused by heavy bombing, it fell to a staff depleted through service with H.M. Forces, etc., to carry out additional duties arising in consequence of the war, *e.g.* :—

(1) Food Control enforcement work for the Ministry of Food.

(2) Inspection of houses and other premises in connection with repair of war damage.

(3) Dealing with serious nuisances from house and W.C. drains on bombed property. The rat menace and insect pests also called for special attention.

(4) Inspection of communal and other shelters.

(5) Certain inspectors were wholly engaged, by rota, on A.R.P. work, and the remainder performed special duties in connection with civil defence after air raids on the City.

SUMMARY OF INSPECTIONS, ETC., MADE BY THE DISTRICT AND ASSISTANT SANITARY INSPECTORS, AND OF NOTICES SERVED AND WORK DONE AS A RESULT THEREOF.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Complaints registered	2,505	2,163	2,288	1,851	2,353	2,853
Inspections of—						
Passages, areas, etc.	6,594	6,612	5,620	5,783	6,047	6,105
Houses, etc.	10,190	8,255	7,931	5,590	6,142	7,289
Milk shops	4,265	2,449	3,717	2,532	2,252	2,228
Manure yards and manure pits	1,952	1,520	1,794	1,175	1,389	1,617
Ice cream premises	873	963	1,256	337	430	—
Drainage and other works in progress	388	370	248	309	229	224
Miscellaneous	5,102	4,086	9,889	4,636	5,255	4,308
Air-raid shelters, etc.	—	—	—	41,211	30,593	24,795
Re-visits, etc.—						
(1) Houses	12,737	11,029	10,750	7,306	8,607	10,655
(2) General	4,673	3,864	4,716	4,096	3,865	4,816
Smoke observations	2	—	12	—	—	98
Result of Inspections—						
Notices served—Informal	7,634	6,600	6,617	3,831	3,779	5,151
Statutory	407	391	294	201	313	488
Follow-up letters	2,453	2,109	2,171	1,282	1,520	1,922
Notices complied with—Informal	7,840	6,786	6,583	4,006	3,575	4,849
Statutory	483	446	294	244	293	491
Notices not complied with—						
Informal	1,022	895	871	776	963	1,121
Statutory	118	1,151	504	620	771	236
Owners interviewed	1,517	1,185	1,265	1,165	1,416	1,613
Drains, gullies and W.Cs. cleansed	1,313	1,135	1,538	1,134	944	1,130
Premises cleansed and re-decorated	20	14	13	14	27	21
Areas and passages cleansed	58	29	73	51	14	61
Areas and passages paved or repaired	230	190	49	19	14	29
Sanitary conveniences repaired or reconstructed	533	527	1,070	649	840	762
Dustbins provided	3,482	2,689	2,641	1,265	960	1,981
Drainage systems (separate or combined) reconstructed	10	9	3	—	12	2
Houses involved	39	79	5	—	3	9
Drainage systems (separate or combined) repaired (including gullies placed on existing drains)	21	27	13	25	19	18
Houses involved	119	74	59	130	90	40
Fall-spouts disconnected from drains	5	2	2	—	2	—
Milk shops (adversely reported upon)	2	2	4	—	—	—
Ice-cream premises (adversely reported upon)	5	33	7	4	3	—
Sanitary defects remedied—						
No. of houses	3,205	2,812	2,310	1,492	1,544	1,796
Housing Acts, 1925 to 1936—						
Houses inspected	622	432	—	—	—	—
Re-visits	2,296	2,133	431	—	—	—
Number found not to be in all respects reasonably fit for human habitation	583	430	—	—	—	—
Number found to be totally unfit for human habitation	—	—	—	—	—	—
Number of notices served	614	396	—	—	—	—
Number of notices complied with	478	424	235	—	—	—
No. of contraventions *re* Permitted Nos.—						
Found	—	58	30	8	1	6
Remedied	—	60	27	8	1	10
Infectious Diseases—						
Cases investigated	2,601	1,713	1,259	1,443	2,263	2,116
Extra visits—contacts, etc.	528	2,403	396	366	1,104	956

Summary of Inspections, etc., made by Special Inspectors, in respect of the Years 1938 to 1943.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Smoke Abatement.						
Number of half-hour observations in respect of smoke emission ..	2,184	2,805	1,025	974	864	791
Number of inspections of premises involved	1,019	916	474	331	421	292
Number of cases in which smoke emitted in such quantity as to be a nuisance*	169	141	37	8	13	30
Offensive Trades.						
Number of businesses connected with trades classified as offensive	116	121	117	110	114	98
Number of premises concerned ..	141	142	139	129	133	115
Number of day inspections ..	4,457	3,839	3,011	3,659	3,993	3,505
,, ,, night inspections ..	845	662	156	75	5	184
Number of notices served in respect of infringements of bye-laws ..	33	15	10	3	4	4
Number of verbal warnings given	60	61	30	14	9	32
Pig Keeping.						
Premises registered as complying with bye-laws	220	211	205	199	194	209
Number of sties provided.. ..	685	661	623	600	608	643
,, ,, inspections made ..	2,346	2,158	2,926	2,260	2,626	2,826
Number of contraventions of bye-laws*	26	7	32	11	8	16
Additional premises at which pigs kept under Emergency (Defence) General Regulations 62B ..	—	—	96	129	179	228
*Warning given verbally or by informal notice or letter.						
Common Lodging Houses.						
Number of registered Common Lodging Houses in City at end of year	15	15	17	15	12	12
Number of bedrooms or cubicles..	167	164	191	168	131	129
Number of Lodgers for whom accommodation was provided ..	580	592	655	578	474	471
Number of day visits	814	788	955	790	707	1,081
,, ,, night visits	80	36	53	64	36	112
Number of contraventions of bye-laws**	201	203	246	166	142	192
~~Common Lodging Houses (*cont.*).~~						
Number of verminous persons referred to Disinfecting Station for treatment	—	—	—	—	16	13
Seamen's Lodging Houses.						
Number of houses on register ..	17	16	18	17	16	18
,, ,, day visits	728	708	891	872	738	1,116
,, ,, night visits	80	36	53	64	36	112
Number of cases in which requirements of bye-laws not observed**	134	144	163	125	138	184

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
HOUSES-LET-IN-LODGINGS.						
Number of houses registered ..	463	477	469	353	319	306
,, ,, rooms	2,429	2,533	2,498	1,886	1,782	1,771
Number of rooms for sleeping purposes only—						
Furnished	401	341	343	267	271	264
Unfurnished	332	404	403	296	245	233
Number of rooms for living and sleeping purposes—						
Furnished	1,037	670	708	621	707	798
Unfurnished	659	1,118	1,044	702	559	476
Visits paid—						
Day	4,920	3,344	3,152	2,765	3,659	3,549
Night	120	42	70	54	57	120
Number of contraventions** ..	807	408	156	180	211	223
Notices served	731	467	97	28	24	14
Notices complied with	746	479	108	36	57	18
**Cautioned either verbally or by letter.						
FACTORIES ACT, 1937.						
Number of power factories on Corporation's register	1,385	Not available— Inspectors seconded to Food Control work.	1,304	1,293	1,272	1,382
Number of non-power factories on register	993		694	656	621	623
Number of inspections	2,564		1,080	660	980	1,043
,, ,, re-inspections.. ..	574		815	508	589	585
,, ,, contraventions found	949		205	33	160	322
,, ,, notices served ..	435		76	5	44	100
,, ,, notices complied with	303		86	6	48	49
Number of notices from H.M. Inspector of Factories, *re* defects in sanitary conveniences at factories	65		20	—	9	15
Additional W.Cs. provided	22		2	—	6	20
Unsuitable W.Cs. made satisfactory	76		230	50	129	128
OUT-WORKERS.						
Persons employed—						
Males	116		144	105	86	88
Females	86		467	490	353	294
Number of employers	90		76	56	45	45
MEANS OF ESCAPE IN CASE OF FIRE.						
Inspections made	201		64	3	145	170
Additional means of escape provided	13		3	1	14	12
Means of escape not in order ..	71		17	—	12	27
Number placed in order	34		4	—	18	11
NEW FACTORIES.						
Plans submitted for examination	61		26	3	—	3
Plans which failed to show						
(*a*) sufficient means of escape in case of fire	11		—	—	—	—
(*b*) suitable sanitary conveniences	11		3	—	—	—
Undertakings given to comply with requirements of Authority	28		3	—	—	—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
SHOPS ACT, 1912 TO 1936.						
Number of shops on Register ..	7,451	Not Available—Inspectors seconded to Food Control work.	7,233	6,112	6,078	6.055
Males employed	6,112		6,109	5,205	4,721	4,656
Females employed	6,506		6,676	5,976	5,903	5,866
Number of inspections made ..	7,760		722	517	798	953
,, ,, observations made ..	18,600		16,742	13,213	18,212	18,954
Contraventions found	1,974		479	113	36	80
Shops affected	826		288	75	34	44
Notices served	798		158	21	11	27
Verbal cautions given	241		59	42	22	12

The following additional duties were undertaken by the staff of the Sanitary Section :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
RENT AND MORTGAGE INTEREST (RESTRICTIONS) ACTS, 1920–1939.						
Number of applications	2	—	—	1	2	2
,, ,, certificates issued ..	1	—	—	—	2	2
RATS AND MICE DESTRUCTION.						
Complaints received	752	650	648	397	646	697
Rats destroyed—Total	1,723	1,559	1,490	1,048	1,899	1,978
By the following methods :						
Ferrets and dogs	1,648	1,462	1,367	782	1,148	1,503
Traps	50	86	105	234	176	76
Poison	3	11	11	31	575	367
Gassing	22	—	7	1	—	32
ERADICATION OF BED BUGS, ETC.						
Disinfestation carried out at :						
Houses (including Corporation Housing Estates)	468	432	192	201	132	198
Business premises	79	83	12	15	9	11
SPRAYING OF AIR RAID SHELTERS.						
Number of shelters sprayed for vermin	—	—	1,671	14,808	15,921	9,914

HOUSING.

Construction of Houses and Flats. During the year 1939, the Corporation erected 398 houses and flats. This brought the total number of houses and flats erected by the Local Authority since 1921 to 10,827, of which 10,496 were under State-aided schemes, and 331 in association with City improvements and in connection with shops on the North Hull Estate.

In the same year private builders erected 1,226 houses, the majority of these being for sale.

546 houses were demolished and 11 houses were rendered unusable in 1939. The net increase during the year in the number of dwellinghouses in the City was 1,067.

The following table shows the housing progress made since 1921.:—

NUMBER OF HOUSES BUILT, 1921—1939.

YEAR	WITH STATE ASSISTANCE		WITHOUT STATE ASSISTANCE		TOTAL
	By Local Authority	By Others	By Local Authority	By Others	
1921/1938	10,098	3,167	331	11,943	25,539
1939	398	—	—	1,226	1,624
TOTALS :	10,496	3,167	331	13,169	27,163

GENERAL ACTION TAKEN AS REGARDS UNFIT HOUSES.

(*a*) *Under the Public Health Acts.*

During 1939, 202 statutory notices were served under the Public Health Acts, mostly in respect of nuisances existing in dwellinghouses.

Informal Action. Notices were served in respect of 3,110 dwellinghouses, and 2,812 houses were rendered fit in pursuance of informal notices.

(*b*) *Under the Housing Acts.*

In 1939, 30 houses were represented under the provisions of Sections 11 and 12 of the Housing Act, 1936, as unfit for human habitation, and demolition orders were made in respect of 33 houses. Undertakings under Section 11(3) of the Housing Act, 1936, were accepted in regard to 11 houses.

As a result of demolition orders, 32 houses were demolished during the year.

The total number of houses represented as individually unfit was 1,258.

Orders in respect of Unhealthy Areas. From 1931 to 1938 inclusive, Orders made in respect of Unhealthy Areas and confirmed by the Ministry

of Health related to 2,790 dwellings, of which 2,290 had been demolished up to the end of 1938, leaving 500 still to be dealt with under such Orders.

On the 6th May, 1939, the Ministry of Health confirmed the Vauxhall Grove Compulsory Purchase Order, comprising 305 dwellinghouses, all of which, with the exception of 2, were demolished during 1939 to 1943, the period covered by this report.

The total number of houses demolished in Unhealthy Areas during the years last mentioned was 799. In the same period action taken under the provisions of Sections 11 and 12 of the Housing Act, 1936, in respect of individual houses not included in Unhealthy Areas was as follows :—

Representations	30
Demolition Orders made	34
Undertakings not to re-let	11
Rendered fit in pursuance of undertakings	—
Houses demolished	33
Houses demolished prior to Orders being made ..	—
Closing Orders made	1
Closing Orders determined	—

Owing to conditions arising out of the war and the call-up of staff for service with H.M. Forces, work in relation to the construction of houses and flats and action with regard to slum clearance, excepting that in respect of the houses referred to in the preceding paragraph, had to be suspended during the years 1940 to 1943.

Though slum clearance, with which the housing inspectors of the Health Department are more particularly concerned, was held in abeyance, the Senior Housing Inspector carried out other important duties in connection with :—

(1) the preparation and maintenance of First-Aid Posts ;

(2) information supplied to the District Valuer in regard to properties damaged as the result of enemy action ;

(3) classification of damaged properties for departmental records ;

(4) post-war housing matters ; and

(5) work for the Corporation's consultants in regard to the replanning of the City.

INSPECTION AND SUPERVISION OF FOOD.

Milk Supply. The inspection of dairies and of retail purveyors' premises and the supervision of bottling and wholesale establishments in the City is carried out by the staff of the Chief Sanitary Inspector. Cowsheds are inspected by the staff of the Chief Food Inspector.

Estimation of the daily milk consumption in the City during each of the years 1939 to 1943 (inclusive) was not practicable owing to rationing and other war conditions. In 1938, the total milk consumed daily was estimated to be 20,000 gallons, of which 8,500 gallons was milk of special designation ; this represented approximately 0·5 pint per person per day.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
PERSONS AND PREMISES REGISTERED DURING THE YEAR.						
Retail Dairymen	229	182	105	116	72	40
Cowkeepers	9	4	8	8	2	4
Dairies	28	26	22	20	10	4
REGISTERED MILK TRADERS ..	1,900	1,700	1,530	1,106	886	817
LICENCES ISSUED FOR GRADED MILKS	45	46	32	35	16	15
SAMPLES OF MILK EXAMINED FOR BACTERIAL CONTENT.						
Tuberculin Tested	69	73	68	46	28	31
Accredited	63	51	71	48	55	52
Pasteurised	58	50	55	42	51	54
NO. OF SAMPLES WHICH COMPLIED WITH THE PRESCRIBED TESTS.						
Tuberculin Tested	69	71	58	43	23	23
Accredited	55	47	44	43	51	49
Pasteurised	54	48	42	28	35	45

Pasteurised Milk. During the years referred to it was prescribed that this grade of milk should not contain more than 100,000 bacteria per millilitre. The following were the bacterial contents of the samples examined :—

Year	Total Samples	Under 1,000	1,000 to 5,000	5,000 to 30,000	30,000 to 100,000	Over 100,000
1938	58	9	23	18	4	4
1939	50	1	15	24	8	2
1940	55	1	4	16	21	13
1941	42	–	11	8	9	14
1942	51	–	4	15	16	16
1943	54	1	4	23	17	9

Letters were sent to the pasteurisers concerned in respect of those samples which contravened the standard. In addition, plants and methods of treatment were inspected, and, where necessary, recommendations for improvement were made.

Bacteriological Examination of samples of Non-designated Milk.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number examined	118	138	177	138	159	197
,, satisfactory	53	62	76	84	71	98
,, not in accord with tests for "Accredited" Milk	65	76	101	54	88	99

NOTE. There is no legal necessity for non-designated milk to attain "accredited" standard. The tests are used merely as an informal guide.

Letters were sent to the producers and/or dealers from whom unsatisfactory samples had been obtained and, where considered advisable, the facts were communicated to the appropriate officer of the district in which the milk was produced.

Examination of Milk for Tuberculosis. Examinations of milk for tuberculosis by the biological test were carried out by Dr. W. W. Adamson, the Honorary Pathologist to the Hull Royal Infirmary. Samples were submitted for pathological examination.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Samples examined	198	180	159	122	158	178
Samples proved positive for tuberculosis	15	11	5	3	1	1
Samples proved negative for tuberculosis	180	159	142	104	131	151
Guinea pigs which died shortly after inoculation from causes other than tuberculosis	3	10	12	15	26	26

In the case of positive samples the necessary action was taken to trace the source of infection. Clinical examination of suspected animals and group sampling of the milk from the affected herds were undertaken. The numbers of cows found upon clinical examination to show signs of tuberculosis and consequently slaughtered, were as follows :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of cows slaughtered ..	6	8	4	2	1	—

Milk and Dairies Regulations, 1926 *to* 1943.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Milk Churns examined	732	794	722	664	581	712
Hand Cans ,, ...	1,260	1,193	1,250	866	700	770
Vehicles ,, ...	431	408	479	310	255	263
Contraventions discovered	11	11	6	2	—	—

The persons responsible for the contraventions were cautioned either verbally or by letter.

"Appeal to Cow" Samples. In connection with unsatisfactory samples taken under the Food and Drugs Act, 1938, the following "Appeal to Cow" samples were obtained :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of samples obtained ..	61	27	15	16	15	4
Number of herds from which samples obtained	13	6	8	9	6	3

Dirt in Milk. In respect of 14 samples (1938, 2 ; 1940, 1 ; and 1941, 11) which were found to contain dirty sediment, letters of caution were sent to the vendors. Repeat samples specially taken for examination for the presence of dirt proved in all cases to be satisfactory.

Cowsheds. Visits were paid to the cowsheds in the City, and the necessary steps were taken regarding the abatement of nuisances.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of Cowsheds	83	83	78	71	65	61
,, ,, Cows	1,436	1,436	1,366	1,306	1,200	1,154
,, ,, visits paid	201	280	303	401	275	255

Public Health (Condensed Milk) Regulations, 1923 *and* 1927, *and Public Health (Dried Milk) Regulations*, 1923 *and* 1927. Included in the samples obtained under the Food and Drugs (Adulteration) Act, 1928, were the following samples of condensed milk :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of samples	14	13	15	—	12	17
Genuine	13	13	15	—	12	15
Unsatisfactory	1	—	—	—	—	2

Letters of caution were addressed to the persons concerned in respect of the unsatisfactory samples.

Food and Drugs Act, 1938.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Total samples examined	2,376	2,259	2,254	2,506	2,473	2,566
,, ,, adulterated	116	87	143	183	190	112
Samples of milk taken	1,341	1,310	1,317	1,328	1,309	1,357
,, ,, not genuine ..	70	41	63	64	82	33
Other samples reported against were as follows :						
Beverages	1	—	6	21	16	11
Cereals	1	—	—	4	—	2
Confections (Pastry), Cakes, etc...	10	3	—	5	6	5
Drugs	10	6	23	17	17	5
Fish, Meats, etc.	1	8	10	25	23	23
Milk and Milk Products	10	16	10	4	—	3
Seasonings	3	1	9	4	5	9
Vegetables	—	—	1	—	—	—
Miscellaneous	10	12	21	39	41	21

A summary of the cases in which legal proceedings were instituted and fines imposed, following contravention of the Food and Drugs Act, 1938, is given below :—

Nature of Sample and Particulars of Adulteration	*1939*	*1940*	*1941*	*1942*	*1943*
MILK.					
Added or extraneous water	3	14	12	7	5
Deficient in fat	3	—	—	2	—
Added water and deficient in fat ..	—	1	—	—	—
BUTTER.					
Water in excess	3	—	—	—	—
BREAD AND BUTTER.					
Fat consisted wholly of margarine ..	—	1	—	—	—
BEEF SAUSAGE.					
Sulphur Dioxide present without declaration	2	—	—	—	—
Deficient in meat	—	—	1	—	—
COMPOUND PHENACETIN TABLETS.					
Devoid of Caffeine	1	—	—	—	—
BLACK PUDDING.					
Contained Sulphur Dioxide – 690 parts per million	—	1	—	—	—
MEAT SUBSTITUTE.					
False label	—	—	1	—	—
LIQUID EGG SUBSTITUTE.					
Misleading label	—	—	1	—	—
SALAD OIL.					
False warranty by manufacturers ..	—	—	1	—	—
COCOA.					
Consisted of coarsely ground expeller cake	—	—	—	1	—
DRESSED CRAB.					
Addition of wheat flour without declaration	—	—	—	—	1
DRIPPING.					
Contained cereal, water and excess free fatty acid	—	—	—	—	1
EDIBLE GELATINE.					
Arsenic—15 parts per million ..	—	—	—	—	1

Labelling of Margarine.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Samples obtained	12	18	20	14	16	16
Contraventions of labelling provisions	—	3	3	10	—	—

Public Health (Preservatives, etc., in Food) Regulations, 1925 *to* 1927.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of samples taken under Food and Drugs (Adulteration Act) and examined for preservatives	2,083	1,994	2,131	2,075	2,057	2,180
Number which contained preservatives in contravention of Regulations	—	5	7	6	3	4
Number which contained permissible preservatives	67	58	72	79	62	73
Manufacturers or retailers of unsatisfactory samples, cautioned by letter	—	5	7	7	3	4
Samples (other than butter or margarine) which contained permissible colouring matters ..	128	107	130	141	20	156

Fertilisers and Feeding Stuffs. The number of samples submitted for analysis and the number found to be unsatisfactory were as follows :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number analysed	29	30	30	18	24	18
,, unsatisfactory	8	1	2	2	8	2

In no case was it necessary to take legal proceedings.

Pharmacy and Poisons Act.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Persons in Corporation's list entitled to sell poisons under the Act	97	91	65	74	57	63
Premises affected	228	224	189	201	181	192
Visits made	168	167	131	163	81	76
Contraventions	6	8	3	—	1	3

Bakehouses.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of bakehouses on register	252	Not available—Inspectors seconded to Food Control work	238	231	198	160
Number of power factories on register	95		89	88	87	86
Number of non-power factories on register	99		50	44	40	33
Number of inspections	779		819	645	669	561
Number of infringements or defects dealt with	35		10	2	10	1

Refreshment Rooms, Kitchens and other Work-places.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Total number on register.. ..	135	Not available—Insprs. seconded to Food Control work.	620	623	593	595
Refreshment rooms, Kitchens on register	110		103	99	75	76
Number of visits made by Inspectors	78		231	220	151	150

WORK OF THE FOOD AND VETERINARY DEPARTMENT.

The following is a summary of the report of Mr. H. P. Lewis, M.R.C.V.S., the Chief Food Inspector. Certain references to the work of this Department are contained in the preceding section.

Slaughterhouses. In 1939 there were 44 private slaughterhouses in use. In January, 1940, and during the remainder of the period covered by this report, that is, to the end of 1943, the number was reduced to 3, and these were occupied by the Ministry of Food.

In addition, one slaughterhouse was used for the slaughter of horses for food for human consumption, and 2 for the private slaughter of pigs by cottagers, etc.

The following table gives the number of animals slaughtered and inspected :—

Year	Cows	Heifers	Bulls	Oxen	Calves
1938	10,560	1,220	150	9,300	350
1939	4,575	1,377	623	7,748	971
1940	3,294	1,873	275	8,031	402
1941	2,128	1,044	226	5,416	634
1942	1,783	767	226	4,085	705
1943	2,735	694	257	4,508	1,964

Year	Sheep	Pigs	Horses	Goats	TOTAL
1938	310,600	28,465	—	4	360,649
1939	38,806	26,977	—	—	81,077
1940	54,367	19,033	—	—	87,275
1941	48,833	9,211	131	1	67,624
1942	49,102	3,528	190	13	60,399
1943	42,757	2,215	313	33	55,476

Tuberculosis, etc. Carcases found to be affected with tuberculosis and other pathological conditions :—

Year	*Tuberculosis*	*Other pathological conditions*
1938	197	225
1939	146	314
1940	119	333
1941	97	199
1942	98	177
1943	157	170

Bacteriology. In addition to the ordinary routine examinations, special microscopical preparations were made and examined from the blood and tissues of animals for the detection of Anthrax Bacillus, all with negative results.

Year	*No. of Animals*
1938	650
1939	634
1940	141
1941	28
1942	41
1943	46

Unsound Food. The following is a summary of the unsound food (in tons) dealt with :—

Year	Meat	Fish	Fruit	Tinned Goods	TOTAL
1938	101	972	58	11	1,141 Tons
1939	137	689	86	15	927 ,,
1940	138	411	75	14	638 ,,
1941	79	1,023	17	13	1,132 ,,
1942	91	820	8	23	942 ,,
1943	131	1,394	7	12	1,544 ,,

Food Preparing Premises. Premises registered for the preparation of potted meat and other foods were regularly visited by the Inspectors.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of premises ..	73	73	213	253	260	262

The increase in the number of these premises to be inspected in the years 1940 to 1943 compared with the number on the register in 1938, is due to the provisions of the Food and Drugs Act, 1938, which came into operation on the 1st October, 1939, requiring the registration of premises used for the preparation or manufacture of sausages, or potted, pressed, pickled or preserved food intended for sale.

Fish Inspection. At the outbreak of war, the Government took over a large number of trawlers and personnel for naval service, and left only a few trawlers for fishing. Subsequently, bulk supplies of fish were purchased in Iceland and transported by the "Carrier" system. The quality of the fish was much inferior to that caught by trawler. The landings at Hull were often carried out at week-ends and on Sundays, thereby adding to the hours of duty of a depleted inspectorial staff.

The estimated weights of fish landed by trawlers were :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of trawlers ..	4,006	3,070	408	92	182	397
Amount of fish (in tons)—						
Landed	272,113	199,263	43.302	25,294	33,070	59,010
Found to be unsound ..	966	689	411	1,022	820	1,394

Inspections of Food Premises, etc. The following inspections were made of food premises, etc. :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Factories, slaughterhouses, butchers' shops and stalls	19,689	20,366	7,122	6,823	5,338	4,154
Fish shops and stalls, game stores and curing houses	1,413	1,565	826	328	292	334
Fruit warehouses, shops, market stalls, carts, etc...	5,347	6,497	5,120	3,019	2,313	2,992

Additional visits were paid to premises on behalf of the Local Food Control Committee and Ministry of Food. Special inspections were made of animals killed or injured by air attack, and the necessary steps taken in regard to disposal of carcases.

Foot and Mouth Disease. An outbreak of Foot and Mouth Disease occurred in the East Riding in 1942, and large numbers of carcases and offal were sent to the City slaughterhouses for inspection.

Cruelty to Animals Acts. For the purposes of these Acts, the Veterinary Inspector examined animals at the request of the Police. During the period under review (1939-43) 25 prosecutions were instituted and fines amounting to £42 18s. 0d. and costs were imposed.

Purchase of Horses. The Veterinary Inspector accompanied members of the Coal and Purchasing Committee on a number of visits to farms in the East Riding to examine horses with a view to purchase.

Foodstuffs Damaged by Enemy Action. Much additional work was imposed on the food inspection branch of the Health Department in connection with the salvaging of large quantities of foodstuffs damaged by enemy action. Following inspection, such food was placed in one or more of the following categories :—

(1) Fit for human consumption ; (2) fit for reconditioning by manufacturer ; (3) fit for animal feeding purposes and (4) unfit for any purpose.

Close collaboration was maintained by the Department with the Salvage Officer and the various food organisations with a view to damaged food being promptly and advantageously dealt with.

Assistance was also rendered to Authorities outside the City boundary in connection with the inspection of foodstuffs damaged by enemy action.

Decontamination of Foodstuffs. Soon after the outbreak of war, all the members of the Food Inspector's Department attended a full course of instruction in anti-gas precautions, and were appointed Food Decontamination Officers. The Chief Food Decontamination Officer and his Deputy subsequently attended specialised lectures and demonstrations at Leeds and elsewhere organised by the Ministry of Food.

Specific sites and special vehicles were earmarked for this work, and 95 volunteers from wholesale and multiple firms in the City were given a complete course of training in decontamination, including full scale demonstrations and exercises in co-operation with other civil defence services.

Training was also given to dock workers at Hull and Goole, and instruction to squads of men in food decontamination.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

The material for this section has been supplied by Dr. R. H. Moyes, Acting Deputy Medical Officer of Health. The report by Dr. N. W. Roberts, Acting Medical Superintendent of the Infectious Diseases Hospitals, will be found on pages 46-52.

The total number of cases of infectious diseases brought to the notice of the Department in each of the years 1938 to 1943 were :—

1938	*1939*	*1940*	*1941*	*1942*	*1943*
4,175	2,002	6,293	4,828	3,587	5,582

Measles and whooping cough, which became compulsorily notifiable in November, 1939, were mainly responsible for the fluctuation in the total number of infectious cases notified each year.

The following indicates the slight variation in the total infectious diseases incidence from 1940 to 1943 with measles and whooping cough shown separately :—

Year	*Total cases notified*	*Measles and Whooping Cough*	*Other notifiable diseases*
1940	6,293	3,715	1,280
1941	4,828	2,391	1,205
1942	3,587	1,507	1,270
1943	5,582	3,311	1,265

Table A shows the comparative notification rates per 1,000 of the population in respect of the principal notifiable infectious diseases.

TABLE A.—COMPARATIVE NOTIFICATION RATES PER 1,000 OF THE POPULATION.

Year	Smallpox		Scarlet Fever		Diphtheria		Enteric Fever		Puerperal Pyrexia*		Erysipelas	
	Hull	England and Wales	Hull	England and Wales	Hull	England and Wales	Hull	England and Wales	Hull	England and Wales	Hull	England and Wales
1938	—	0·00	2·21	2·41	2·16	1·58	0·02	0·03	20·42	14·42	0·30	0·40
1939	—	0·00	2·09	1·89	1·68	1·14	0·08	0·04	23·39	14·35	0·33	0·34
1940	—	0·00	1·61	1·63	1·10	1·16	0·09	0·07	14·64	11·96	0·25	0·33
1941	—	—	1·35	1·47	1·77	1·25	0·01	0·03	9·78	11·91	0·19	0·30
1942	—	0·00	2·15	2·19	1·80	1·05	0·01	0·01	9·34	12·61	0·17	0·30
1943	—	—	2·58	3·01	1·69	0·88	—	0·01	7·58	11·68	0·18	0·31

* Attack-rate per 1,000 births.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
SCARLET FEVER.						
Cases notified	705	665	431	327	471	561
Number of actual cases — diagnosis of Scarlet Fever confirmed	660	623	407	310	421	507
Deaths	2	2	2	1	—	—
Death-rate per 1,000 of population	0·01	0·01	0·01	0·00	—	—
Number of notified cases admitted to hospital	636	577	360	290	417	489
Percentage of notified cases	90·0	86·7	83·5	88·7	88·5	87·2
Secondary cases — occurring in a family within 4 weeks of onset of previous case	47	39	34	18	16	24
Return cases — occurring in a family within 4 weeks of return home from hospital of patient treated for Scarlet Fever	32	25	6	6	10	21
DIPHTHERIA.						
Cases notified	687	533	295	428	394	368
Number of actual cases — diagnosis of Diphtheria confirmed	523	372	162	318	289	276
Deaths	43	26	17	24	10	6
Death-rate per 1,000 of population	0·13	0·09	0·06	0·10	0·04	0·03
Number of notified cases admitted to hospital	679	527	295	423	391	364
Percentage of notified cases	99·0	99·0	100·0	98·8	99·2	98·9
Number of secondary cases	61	28	40	69	41	28
Number of return cases	5	2	3	6	4	—
Number of "carriers" with no clinical symptoms	47	20	39	55	43	28
Diphtheria in children who had completed a course of immunisation	*21	*11	3	8	5	26
Deaths from Diphtheria in immunised children	—	—	—	—	—	—

*Includes initial Schick Negatives.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
DIPHTHERIA IMMUNISATION.						
Number of children fully immunised at clinics and schools—						
Under 5 years of age	317	147	112	1,325	2,548	2,470
5 to 15 years of age	958	601	482	1,958	2,912	3,448
Persons aged 15 years and over	45	19	13	95	38	5
Percentage of children who had been immunised at 31st Dec.—						
Under 5 years of age	2·50	2·32	1·74	6·06	16·45	23·39
5 to 15 years of age	15·16	23·18	27·06	33·54	37·99	41·25
MEASLES.						
Cases notified	1,367	46	3,715	2,391	1,507	3,311
Cases admitted to hospital	138	4	77	68	26	80
Deaths registered	29	1	8	12	3	24
Death-rate per 1,000 population	0·09	0·00	0·03	0·05	0·01	0·11
WHOOPING COUGH.						
Cases notified	605	239	1,298	1,232	810	906
Cases admitted to hospital	84	29	51	81	22	53
Deaths registered	26	5	12	23	3	21
Death-rate per 1,000 population	0·08	0·02	0·04	0·09	0·01	0·09

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
DIARRHOEA.						
Deaths under 2 years of age ..	55	59	56	23	61	39
Death-rate per 1,000 births ..	9·52	10·62	11·39	5·97	15·21	9·00
Deaths at all ages..	69	69	65	33	63	52
Death-rate per 1,000 population..	0·22	0·23	0·24	0·14	0·29	0·23
TYPHOID FEVER.						
Cases notified	4	25	26	3	—	—
Cases treated at City Hospital ..	3	24	24	1	—	—
Deaths	1	3	1	2	2	—
PARATYPHOID FEVER.						
Cases notified	1	1	1	5	3	—
Cases treated at City Hospital ..	1	1	1	5	—	—
Deaths	—	—	1	—	2	—
CEREBRO-SPINAL FEVER.						
Cases notified	8	7	60	73	32	20
Cases admitted to City Hospital..	2	1	53	63	25	11
Deaths	6	1	18	19	8	6
Other cases admitted to City Hospital for observation but not diagnosed as Cerebro-Spinal Fever	4	2	17	29	18	14
ACUTE ANTERIOR POLIOMYELITIS.						
Cases notified	25	—	12	1	4	6
Cases admitted to City Hospital..	17	—	8	—	2	6
Deaths	3	—	1	2	—	—
DYSENTERY.						
Cases notified	19	3	—	1	—	8
Cases admitted to City Hospital..	—	1	—	1	—	3
Deaths	—	—	—	—	—	—
MALARIA						
Cases notified (contracted abroad)	4	1	7	15	24	12
Deaths	—	—	—	—	—	—
SMALLPOX	—	—	—	—	—	—

Public Vaccination. The total vaccinations performed by the Public Vaccinators, in accordance with the provisions of the Vaccination Acts and Vaccination Order, 1930, were as follows :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Primary vaccinations	2,367	2,057	1,311	1.016	882	1,006
Re-vaccinations	2	61	—	1	2	—

The diminution in the number of general practitioners, many of whom volunteered or were called up for service in H.M. Forces, brought about a marked time-lag in the work of the Public Vaccinators, which has, with extreme difficulty, been recently overtaken.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
PNEUMONIA.						
Cases notificd :						
Acute influenzal pncumonia ..	33	25	45	26	5	61
Acute primary pneumonia ..	185	160	183	186	221	212
Dcaths in notificd cascs	39	32	51	38	18	33
Total deaths in City from all forms of pneumonia	280	216	286	290	165	256
Death-rate per 1,000 population..	0·88	0·71	1·07	1·20	0·75	1·18
INFLUENZA.						
Deaths	38	52	72	35	11	69
Death-rate pcr 1,000 of population	0·12	0·17	0·27	0·14	0·05	0·31
FOOD-POISONING.						
Number of cases notified ..	2	3	8	8	3	—
Deaths	—	—	—	—	—	—

Hospitals for Infectious Diseases.

CITY HOSPITAL.

The following table gives a summary of the cases of infectious diseases admitted to the City Hospital. The figures relate to the diagnoses on admission; particulars of the cases re-diagnosed after treatment in hospital are given in the report by the Acting Medical Superintendent on page 46.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
City cases :						
Scarlet Fever	636	577	360	290	417	489
Diphtheria	697	527	295	423	391	364
Typhoid Fever	4	25	26	7	—	—
Cerebro-Spinal Fever	2	1	53	63	25	11
Acute Poliomyelitis	17	—	8	—	2	6
Measles	115	4	77	68	26	80
Whooping Cough	60	29	51	81	22	53
Dysentery	—	1	—	1	—	3
Other Diseases	31	34	47	45	34	46
Hull and Goole Port Health Authority cases	12	4	40	29	30	26
Cases from outside Authorities ..	77	83	47	62	49	135
Service cases from arcas outside the City	—	46	66	20	79	95

EVAN FRASER HOSPITAL.

During the war years the Evan Fraser Hospital accommodated "house" inmates from the Anlaby Road and Beverley Road Institutions.

	1939	*1940*	*1941*	*1942*	*1943*
Daily average number of persons ..	138	139	130	126	125

Scabies. Attendances made by persons treated for scabies, and verminous persons cleansed, at the Disinfecting Station during the period 1st January, 1939, to 30th June, 1942, were :—

	1939	*1940*	*1941*	*1942* (to 30th June)
City cases	7,920	9,227	10,290	5,828
Service cases ..	—	1,228	657	202
Total ..	7,920	10,455	10,947	6,030

Scabies Order, 1941. In July, 1942, three treatment centres were made available for persons who were suffering from scabies or who were in a verminous condition. Home visits were made and the necessary action taken.

The attendances from July to December, 1942, and during 1943 were :—

	Schoolchildren		*Others*		*Total*	
	1942	*1943*	*1942*	*1943*	*1942*	*1943*
Disinfecting Station ..	1,585	3,879	1,986	2,266	3,571	6,145
Beverley Road Hospital	2,198	2,751	1,679	2,347	3,877	5,098
Hedon Road Hospital	1,486	1,183	944	721	2,430	1,904
Totals :	5,269	7,813	4,609	5,334	9,878	13,147

Disinfecting Station. Apart from those attending for treatment for scabies or verminous conditions, persons who had been in contact with infectious diseases had baths and their clothing disinfected. Articles of bedding, etc., were disinfected, library books fumigated, etc.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of persons who had baths and their clothing disinfected	148	144	125	93	97	120
Number of articles of bedding, clothing, etc., disinfected	121,362	117,701	135,221	161,725	152,607	68,207
Library books fumigated..	1,008	815	674	677	1,046	1,141
Number of premises fumigated following infectious diseases	2,264	1,983	1,704	1,826	2,688	1,157

CITY HOSPITAL AND EVAN FRASER HOSPITAL.

Report by the Acting Deputy Medical Superintendent,

Dr. N. W. Roberts.

Beds available at the end of the year :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
City Hospital	215	285*	285*	285*	285*	285*
Evan Fraser Hospital	150	150	150	150	150	150

* Including additional E.M.S. beds.

NOTE. The Ministry of Health's rating increased the accommodation at this Hospital, including that for E.M.S. purposes, to 344 beds, by utilising the wards to the fullest capacity.

Staff :

Medical Superintendent .. H. Mason Leete, M.D., M.R.C.S., D.P.H., M.D.

Acting Deputy Medical Superintendent N. W. Roberts, M.D., D.P.H.

Matron Miss D. H. Dronfield.

General Survey. The outbreak of war in September, 1939, and the inclusion of the City Hospital in the Emergency Hospitals Scheme (with the title of Cottingham Base Hospital) brought about certain alterations in the disposition of patients and the available accommodation.

By the transfer of cases of diphtheria and scarlet fever to vacated Sanatorium wards, it was possible to clear five of the large City Hospital wards for E.M.S. purposes. In addition, one ward was occupied by surgical tuberculosis cases moved from the Beverley Road Institution Hospital.

It is expedient to observe, however, that these arrangements were somewhat elastic, being subject to adaptation in accordance with exigencies prevailing at different phases of the war period.

Numbers dealt with at City Hospital
(excluding non-civilian and E.M.S. cases).

Year	In Hospital 1st January	Admitted during year	Discharged during year	In Hospital 31st December
1938	184	1,645	1,685	144
1939	144	1,303	1,389	58
1940	58	951	912	97
1941	97	1,060	1,064	93
1942	93	990	1,001	83
1943	83	1,190	1,214	59

Classification on Admission.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Diphtheria	733	597	320	443	403	382
Scarlet Fever	674	606	371	320	442	589
Other infectious diseases	163	90	246	291	117	216
Other diseases	71	3	3	6	26	3
Observation	4	7	11	—	2	—
Totals ..	1,645	1,303	951	1,060	990	1,190

Diseases Treated to a Conclusion during the Year, Classified according to the Final or Hospital Diagnosis.

Table A. — Diphtheria.

Age in Years	*1938*		*1939*		*1940*		*1941*		*1942*		*1943*	
	Cases	D'ths	Cases	D'ths	Cases	D'ths	Cases	D'ths	Cases	D'ths	Cases	D'ths
0—5 ..	161	21	123	13	75	8	106	14	80	3	81	2
5—10 ..	288	20	242	11	102	7	129	6	127	5	150	4
10—15 ..	76	1	57	4	21	—	31	2	49	—	51	—
15—20 ..	23	—	19	—	9	—	17	—	22	1	13	—
20 and over	30	—	20	—	13	—	22	—	19	—	16	—
Totals :	578	42	461	28	220	15	305	22	297	9	311	6

According to the type of disease the cases were classified as follows :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Faucial	511	431	174	229	240	274
Laryngeal	20	10	6	21	14	9
Carriers	47	20	40	55	43	28
Other	—	—	—	—	—	—
Totals ..	578	461	220	305	297	311

Many cases are sent into hospital as diphtheria which prove on further investigation to be suffering from some other disease.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of cases notified and admitted as Diphtheria ..	733	597	320	443	403	382
Cases in which diagnosis was confirmed	554	411	207	330	294	279
Number of cases re-diagnosed as follows :						
Tonsillitis	137	129	81	93	94	83
Simple laryngitis	9	8	2	5	3	2
Broncho-pneumonia	4	7	1	1	1	5
Scarlet fever	15	13	11	6	7	5
Other conditions	14	29	18	8	4	8
Totals ..	179	186	113	113	109	103

Table A1. — Faucial Diphtheria.

Clinical Cases (excluding Carriers).

Year	Number	Paralysed cases (non-fatal)	Deaths	Paralysis Rate per cent.	Mortality Rate per cent.
1938	511	66	38	12·9	7·4
1939	431	54	27	12·5	6·3
1940	174	27	13	15·5	7·5
1941	229	25	17	10·9	7·4
1942	240	20	6	8·3	2·5
1943	274	21	5	7·7	1·8

Table A2. — Laryngeal Diphtheria.

Clinical Cases.

Year	Number	Paralysed cases (non-fatal)	Deaths		Mortality Rate per cent.
			Obstructive	Toxic	
1938	20	1	3	—	15·0
1939	10	—	1	—	10·0
1940	6	—	2	—	33·3
1941	21	—	4	—	19·0
1942	14	—	3	—	21·4
1943	9	—	1	—	11·1

The figures for faucial diphtheria demonstrate the sudden change, subsequent to 1941, in the character of epidemic diphtheria. The case mortality rates for 1942 and 1943 were the lowest recorded in the City Hospital.

Table B. — Scarlet Fever.

Complications and Deaths. In the cases treated to a conclusion, the scarlatinal complications were as follows :—

	1938		*1939*		*1940*		*1941*		*1942*		*1943*	
Complications.												
Total cases	656		598		339		316		408		531	
Cases showing complications :	C.	R.	C.	R.	C.	R.	C.	R.	C.	R.	C.	R.
Late Adenitis	40	6·1	27	4·5	14	4·1	15	4·7	18	4·4	36	6·8
Rhinitis	18	2·7	41	6·8	3	0·9	9	2·8	8	2·0	11	2·1
Otorrhoea	39	6·0	48	8·0	16	4·7	17	5·4	8	2·0	31	5·8
Arthritis	6	0·9	6	1·0	6	1·8	6	1·9	2	0·5	2	0·4
Albuminuria	22	3·4	16	2·6	14	4·1	11	3·5	2	0·5	4	0·8
Relapse	13	2·0	3	0·5	—	—	—	—	1	0·2	1	0·2
Deaths	1		1		2		—		—		—	

C. denotes number of cases.
R. denotes rate per 100 total cases.

Although the number of cases of scarlet fever admitted remains fairly constant, the disease appears to become milder in character. Subsequent to 1940, there was no fatal case, and the incidence of complication (particularly affection of the kidney) was, in general, less frequent.

Diagnosis. Table showing cases notified as scarlet fever and admitted to hospital, cases in which the diagnosis was confirmed, and cases re-diagnosed.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Cases admitted to Hospital ..	674	606	320	320	442	589
Cases in which diagnosis was confirmed	618	551	298	301	391	533
Cases re-diagnosed as follows:						
Rubella	—	—	5	1	5	23
Food and Drug rashes ..	5	13	7	6	8	2
Tonsillitis	30	16	1	1	12	12
Measles	5	1	3	1	6	1
Other conditions	16	25	6	10	20	18
Totals ..	56	55	22	19	51	56

Table C. — Other Diseases.

Disease	*1938*		*1939*		*1940*		*1941*		*1942*		*1943*	
	C.	D.	C.	D.	C.	D.	C.	D.	C.	D.	C.	D.
Cerebro-Spinal Fever	5	2	1	—	62	15	63	14	29	5	13	3
Tonsillitis ..	169	1	149	—	83	—	100	—	108	—	94	1
Whooping Cough	54	15	25	2	25	1	93	13	21	1	58	9
Pneumonia ..	20	4	20	3	11	1	20	1	12	1	20	3
Chickenpox ..	1	—	8	—	1	—	5	—	15	—	6	—
Laryngitis.. ..	10	—	8	—	2	—	5	—	3	—	2	—
Rubella	—	—	15	—	7	—	1	—	7	—	29	—
Poliomyelitis ..	19	2	—	—	10	—	—	—	1	—	7	—
Measles	108	10	3	—	36	4	59	2	26	2	72	10
Enteric Fever ..	4	—	23	2	26	2	12	1	—	—	1	—
Mumps	—	—	1	—	1	—	1	—	2	—	2	—
Malaria	7	—	2	—	28	—	24	—	29	—	23	—
Miscellaneous ..	54	7	75	3	61	14	60	12	43	4	45	6
Totals ..	451	41	330	10	353	37	443	43	296	13	372	32

C. Denotes cases.

D. ,, deaths.

The only figures calling for comment are those for cerebro-spinal fever. A large outbreak of this illness began in the early months of 1940 and gave rise to an unprecedented number of admissions for that year and for 1941. Thereafter the epidemic declined slowly. Sulphapyridine was used exclusively in the treatment of these cases, and proved most efficacious. The case mortality would have been far higher if this new drug had not been available.

Ear, Nose and Throat Work. Dr. Ritchie Rodger visited the hospital regularly.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Operations performed for :						
Removal of tonsils and adenoids	9	1	2	—	—	5
Mastoid disease	3	2	5	2	1	8
Antral lavage	—	—	—	1	—	—

The removal of tonsils and adenoids has been found to be the most effective treatment for the persistent diphtheria carrier.

Service Cases dealt with.

A number of patients who were serving members of H.M. Forces were admitted to the City Hospital. These "Service Sick" cases are not included in the foregoing figures.

A summary of Service sick dealt with is given below :—

	1939	*1940*	*1941*	*1942*	*1943*
In hospital 1st January	—	1	—	3	5
Admitted during the year	52	128	86	95	123
Discharged during the year	51	129	83	93	124
In hospital 31st December	1	—	3	5	4

Final diagnoses of Service sick cases treated to a conclusion during the year :—

	1939	*1940*	*1941*	*1942*	*1943*
Scarlet fever	—	7	3	3	11
Diphtheria	1	3	6	7	12
Cerebro-spinal fever	—	7	8	2	2
Enteric fever	—	1	1	—	—
Rubella	1	86	4	7	18
Mumps	—	—	5	24	14
Tonsillitis	—	7	11	15	16
Chickenpox	2	1	4	8	9
Measles	—	5	16	5	17
Other diagnoses	47*	12	25	22	25
Totals ..	51	129	83	93	124

* 46 cases of Vaccinia are included.

N.B. War casualties admitted to the City Hospital whether Service or Civilian, are not included in this Report.

Laboratory.

The examinations carried out in the hospital laboratory were as follows :—

Nature of Examinaton and Number of Specimens.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
For C. Diphtheriae.						
Loeffler cultures	6,030	5,176	2,357	3,519	2,749	3,302
Tellurite cultures for discharge	580	615	244	433	290	474
Investigations for type	806	528	366	391	328	377
Cultures for haemolytic streptococci and other organisms ..	240	537	9	29	43	66
Blood.						
Grouping	—	—	182	12	—	—
Cultures	6	25	21	14	3	7
Agglutination tests	13	71	43	30	1	11
Films for parasites	8	3	31	30	39	30
Cerebro-spinal fluids	20	4	88	85	35	25
Urines for special examinations	200	125	212	137	85	54
Faeces for pathological organisms	16	113	92	60	10	70
Sputa for Myco tuberculosis ..	5	10	14	3	—	14
Films for Vincent's Angina ..	—	—	15	15	23	15
Bacteriological control of operating theatre sterilizers ..	—	—	—	—	45	13
Various	22	17	17	8	17	3
For Myco Tuberculosis (Sanatorium Cases).						
Sputa, simple microscopical examinations	—	—	—	566	506	550
Pleural fluids	—	—	—	2	—	14
Biological Tests. (City Hospital and Sanatorium)	46	51	5	5	6	5
Totals ..	7,992	7,275	3,696	5,339	4,180	5,030

Patients from Outside Authorities admitted to City Hospital.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Diphtheria	40	57(4)	14	18(1)	11	20
Scarlet fever	29	26	15	31	24	98
Enteric fever	1	—	1	4	—	1
Acute poliomyelitis	4	—	1	—	1	1
Cerebro-spinal fever	1	—	14(3)	6	4(3)	5
Anthrax	2	—	1	2	1	—
Other diseases	—	—	1	3	2	9
Totals ..	77	83(4)	47(3)	64(1)	43(3)	134

The number of deaths are given in brackets.

PORT HEALTH AUTHORITY CASES

(Included in appropriate foregoing tables).

	1939	*1940*	*1941*	*1942*	*1943*
Cases sent to City Hospital by Officers of Port Health Authority	4	44	30	29	26
Number of cases discharged during the year	4	43	31	29	26
Final diagnoses of cases discharged —					
Malaria	3	29	23	27	2
Rubella	—	1	—	—	—
Scarlet fever	—	3	1	—	1
Chickenpox	—	1	—	—	—
Diphtheria	—	—	1	1	—
Other diseases	1	9	6	1	3

EVAN FRASER HOSPITAL.

In order to release beds at the Anlaby Road and Beverley Road Institutions for E.M.S. purposes, a number of "house" inmates were transferred on the 1st September, 1939, to the Evan Fraser Hospital. The following gives details of the cases dealt with :—

	1938	*1939*		*1940*	*1941*	*1942*	*1943*
	Infectious Diseases cases only	Infectious Diseases cases	Public Assistance cases	Public Assistance cases only			
In hospital 1st January	9	—	—	139	136	131	126
Admitted during year	61	36	151	34	25	31	63
Discharged ,, ,,	70	36	8	25	10	19	38
Died in hospital during year ..	—	—	4	12	20	17	21

The deaths were, without exception, those of inmates of advanced age.

DISEASES OF SPECIAL INTEREST, INCLUDING THOSE WITH A HIGH FATALITY RATE.

Hereunder are given deaths and death-rate from Cancer, Heart Disease and Bronchitis.

Cancer. Principal sites of fatal cancer.

SITES	*1938*	*1939*	*1940*	*1941*	*1942*	*1943*
Males.						
Buccal cavity and pharynx ..	20	16	21	22	20	19
Digestive organs and peritoneum ..	147	171	159	144	133	129
Respiratory system	44	45	37	35	43	40
Breast	—	—	—	—	—	1
Genito-urinary organs	35	22	—	—	—	—
Genital organs	—	—	19	18	14	14
Urinary organs	—	—	13	12	11	17
Skin (scrotum excepted)	6	3	3	—	—	1
Brain and other parts of nervous system	—	—	2	1	2	1
Other or unspecified organs ..	8	16	14	11	10	12
ALL SITES ..	260	273	268	243	233	234
Females.						
Buccal cavity and pharynx ..	4	1	5	3	4	4
Digestive organs and peritoneum ..	122	121	116	93	93	108
Respiratory system	8	14	9	8	7	11
Uterus	46	44	39	48	43	43
Other genital organs	9	15	16	12	14	16
Breast	40	50	45	37	36	31
Urinary organs	—	—	5	7	5	3
Skin	1	1	3	1	2	3
Brain and other parts of nervous system	—	—	—	3	—	3
Other or unspecified organs ..	15	13	5	7	8	10
ALL SITES ..	245	259	243	219	212	232
TOTAL (*Males and Females*)	505	532	511	462	445	466
Death-rate per 1,000 of population	1·58	1·67	1·91	1·92	2·03	2·15

With few exceptions, statistics of mortality from cancer have, during the last 59 years, shown an upward tendency year by year, due to modern methods of diagnosis resulting in much greater accuracy in the ascertainment of its incidence.

Cancer Act, 1939. Due to the war, the Hull scheme for the diagnosis and treatment of cancer cases could not be completed. The Ministry of Health, however, from time to time extended the period during which proposals might be submitted by local authorities. The preparation of a local scheme under Section 1 of the Cancer Act, 1939, was accordingly deferred.

Radium. In August, 1939, the supplies of radium belonging to the Hull Radium Trust and the Hull Corporation, were, during the emergency, transferred for safety to the Leeds General Infirmary, and, in May, 1940, to the Sutton Annexe of the Hull Royal Infirmary. All possible precautions were taken to safeguard the radium during the bombing of the City.

Bronchitis. The following table shows the deaths and death-rates per 1,000 of the population from bronchitis, and the total death-rates from non-tuberculous respiratory diseases, chiefly bronchitis and pneumonia.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Deaths from bronchitis	89	95	329	208	162	204
Death-rate per 1,000 population ..	0·28	0·30	1·23	0·86	0·74	0·94
Total death-rate per 1,000 population from non-tuberculous respiratory diseases	1·2	1·1	2·5	2·2	1·2	2·3

Heart Disease. Deaths and death-rates per 1,000 of the population from heart disease :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Deaths	946	983	971	890	736	760
Death-rate per 1,000 population ..	3·0	3·1	3·6	3·7	3·4	3·5

TUBERCULOSIS.

The material for this section has been supplied largely by Dr. R. Hardy, the Senior Assistant Medical Officer of Health in charge of the Tuberculosis Department.

In the following table are given the new cases and deaths, arranged in age periods, for the year 1943, together with the total figures for the previous 5 years.

NEW CASES AND MORTALITY.

Age Period	New Cases*					Deaths				
	Pulmonary		Non-Pulm.			Pulmonary		Non-Pulm.		
	M.	F.	M.	F.	Total	M.	F.	M.	F.	Total
0–1	1	—	4	1	6	1	—	4	1	6
1–5	5	3	7	12	27	2	—	6	7	15
5–10	6	3	6	7	22	—	—	1	1	2
10–15	8	5	8	10	31	—	2	3	2	7
15–20	27	24	5	8	64	5	16	1	6	28
20–25	29	39	3	5	76	4	20	2	—	26
25–35	38	31	7	2	78	21	16	3	2	42
35–45	60	13	6	5	84	28	15	3	1	47
45–55	36	11	3	2	52	26	6	1	—	33
55–65	36	7	5	—	48	31	10	2	—	43
65 and over	11	3	—	—	14	8	3	—	—	11
1943	257	139	64	52	502	126	88	26	20	260
1942	241	148	43	45	477	95	82	20	19	216
1941	215	127	49	32	423	134	96	22	22	274
1940	240	134	54	46	474	151	108	29	24	312
1939	191	143	50	46	430	149	82	14	27	272
1938	245	145	65	64	519	140	106	23	16	285

*Primary notifications and other new cases coming to the knowledge of the Medical Officer of Health.

During the earlier war years, 1939-1943, the notifications of tuberculosis diminished compared with those relating to 1938, the last full year of peace, 1939 and 1941 being particularly conspicuous with the low figures of 430 and 423 notifications respectively. It would be wrong to deduce that this reduction reflected a lowered incidence of tuberculosis among the

population in 1939-1943. Many factors directly related to war-time conditions contributed, *e.g.*, evacuation, part-disorganisation of medical services due to the call-up of practitioners to the Services, diminished attendances at doctors' surgeries, relaxation in the search for the disease amongst contacts, etc. In fact, the tuberculosis was undoubtedly there, but its discovery was less easy to accomplish, with resultant diminution in notifications.

The figures for pulmonary deaths in 1939-1943 remained fairly constant among males. The trend of female deaths, except in the year 1940, was downwards. The year 1940 was notable for the relatively high number of deaths of females, which may have been due to various reasons consequent upon the war, not the least important of which may have been the inclusion of the Sanatorium and other Hospitals in the Ministry of Health's Emergency Hospitals Scheme. In the whole period 1939-1943, there were 144 male deaths for every 100 female deaths from pulmonary tuberculosis.

The numbers of deaths from non-pulmonary tuberculosis showed little variation in the years under review, except in 1940 and 1943, when there were considerable increases in deaths of males. Deaths from tuberculous meningitis in children account for a considerable proportion of non-pulmonary deaths, and, as will be seen in a later section, there was an increased incidence of this disease in 1940-1943 compared with the average for the last three or four pre-war years.

On the whole, there was no sudden rise in tuberculosis deaths during the earlier war years as was anticipated, in view of past experience pertaining to the 1914-1918 war. The decline in tuberculosis mortality that was taking place in the immediate pre-war years, albeit somewhat slowly and irregularly, was, however, halted in 1939-1943.

The death-rate in 1943 per 1,000 of the population in Kingston upon Hull was nearly double that for England and Wales for all forms of tuberculosis, a position which is far from satisfactory.

It has to be recorded that of pulmonary deaths in 1943, 61 per cent. in women occurred in the age-groups under 35 years whereas only 26 per cent. of male deaths took place in these age-groups.

The heavy mortality in the young female age-groups and among middle-aged males, remains a serious problem requiring the intense efforts of the Tuberculosis Service, both preventive and curative, if this state of affairs is to be alleviated.

The following table gives the deaths from all forms of tuberculosis, and the death-rate per 1,000 of the population for Kingston upon Hull and for England and Wales :—

Year	Kingston upon Hull Deaths			Death-rate per 1,000 of population					
				Kingston upon Hull			England and Wales		
	Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total
1938	246	39	285	0·77	0·12	0·89	0·53	0·11	0·64
1939	231	41	272	0·73	0·13	0·86	0·52	0·10	0·62
1940	259	53	312	0·96	0·20	1·16	0·59	0·11	0·70
1941	230	44	274	0·95	0·18	1·13	0·60	0·13	0·73
1942	177	39	216	0·81	0·18	0·99	0·54	0·12	0·66
1943	214	46	260	0·98	0·21	1·20	0·54	0·12	0·67

Tuberculous Meningitis. The deaths from this form of tuberculosis were as follows :—

1938	*1939*	*1940*	*1941*	*1942*	*1943*
17	16	25	30	17	25

The average annual number of deaths from tuberculous meningitis during the first four complete years of the war was 24, which represents a death-rate of 0·10 per 1,000 of the population, as compared with 0·08 for the four immediate pre-war years. The true occurrence-rate could only be estimated, because of the irregular and fluctuating changes in the child population at risk.

It was the general experience in other large cities subjected to bombing and shelter-existence, that there was a considerable increase in the number of deaths from tuberculous meningitis. There were 97 deaths from this fatal type of disease in the period 1940-1943 and it is regrettable that 76 per cent. occurred in children under the age of 15 years.

Notifications. The numbers of notifications of tuberculosis sent to the Medical Officer of Health are given below :—

	Pulmonary	*Non-Pulmonary*	*Total*
1938	361	116	477
1939	305	81	386
1940	329	84	413
1941	309	62	371
1942	347	69	416
1943	355	91	446

Dispensary System. Notified cases attend at one of the two dispensaries, unless arrangements are made for receiving treatment elsewhere.

SUMMARY OF CASES TREATED AT THE DISPENSARIES.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Total number of cases notified ..	477	386	413	371	416	446
Cases who attended at Dispensaries	403	321	343	290	337	336
Suspected cases and contacts who attended at Dispensaries ..	1,285	922	634	611	835	1,014
Diagnosed as definitely tuberculous	346	287	326	280	315	312
Diagnosed as not suffering from active tuberculosis	1,338	951	636	597	840	1,018
Cases kept under observation ..	4	5	15	24	17	20
Diagnosed as tuberculosis at end of the year	—	1	2	3	5	6
Diagnosed as non-tuberculous at end of the year ..	4	4	13	21	12	14
Diagnosed before attendance at Dispensary	140	67	80	46	53	27
Sent to Dispensary for diagnosis ..	705	558	408	421	599	686
Tuberculous	190	117	131	118	128	130
Non-tuberculous	515	440	277	293	464	544
Kept under observation ..	—	1	7	10	7	12
New cases sent for opinion as to diagnosis	83%	89%	84%	90%	92%	96%
Number of contacts	624	400	300	230	291	369
Definitely tuberculous at first examination	4	2	3	—	1	5
Definitely tuberculous later ..	12	7	5	7	5	7
Non-tuberculous at first examination	220	114	25	25	42	57
Non-tuberculous later ..	387	275	261	186	238	297
Included in number kept under observation.. ..	1	2	6	12	5	3

Sources of New Cases.

Year	Contacts Examined at Tuberculosis Dispensaries	General Practitioners	School Health and M. & C.W. Sections, Municipal Hospitals and Municipal Depts.	Ministry of Pensions, Medical Board, Army, Navy and Air Force Authorities	Voluntary Hospitals, Factory Welfare Schemes, etc.	Grand Total
1938	624	845	215	4	—	1,688
1939	400	625	182	6	30	1,243
1940	300	495	125	37	20	977
1941	230	467	137	53	14	901
1942	291	652	125	82	22	1,127
1943	369	713	139	83	46	1,350

Examination of Contacts. The numbers of contacts examined by the Medical Officers of the Tuberculosis Department in the years 1938 to 1943, are shown in the second column of the foregoing table.

"Contact" examinations diminished in numbers during the years under review, as compared with peace-time figures. This reduction commenced in 1939 and was directly attributable to the unsettled conditions prevailing in that year.

That the number of contacts examined never fell below 200—300 during the worst of these years is a tribute to the zeal and assiduity of the nursing staff.

In 1943, the number of contacts examined increased proportionately with the slight easement of conditions, which remained, however, far from normal.

It is the routine practice of the Department to offer facilities for examination to the members of each household in which a case of tuberculosis has occurred. Unfortunately, in spite of propaganda carried out individually and collectively, only 50 per cent. of the contacts can be persuaded to attend for examination. Apathy and fear are the underlying causes for the reluctance of contacts to avail themselves of the facilities provided.

The unsettled and difficult period from 1939–1943 is also reflected in the falling off in other branches of Dispensary work. In 1940 and 1941 cases sent for diagnosis by practitioners numbered 495 and 467 respectively, representing only slightly more than half the average number of cases sent by practitioners in peace-time. In 1942 and 1943, numbers sent for opinion as to diagnosis showed a gratifying tendency to increase steadily.

That the diagnostic facilities available at the Dispensaries are being increasingly used, however, is shown by the fact that during the last 3 years of the period under review, no less than 90, 92 and 96 per cent. of cases sent by private practitioners were for diagnosis in contrast with a figure of 83 per cent. for the year 1938.

In the following table the cases diagnosed as tuberculous at the end of the year are classified according to age, sex, and whether pulmonary or non-pulmonary, for 1943, with totals given, for comparison purposes, in respect of the previous 5 years.

Age Periods	0–10	10–20	20–30	30–40	40–50	50 and over	Total
PULMONARY—							
Males	3	26	23	28	35	42	157
Females	3	30	42	11	11	8	105
NON-PULMONARY—							
Males	5	6	6	3	—	5	25
Females	5	11	3	4	1	1	25
1943	16	73	74	46	47	56	312
1942	17	55	80	51	48	64	315
1941	10	57	77	54	35	47	280
1940	16	53	87	72	44	54	326
1939	28	47	68	63	39	42	287
1938	40	60	96	61	43	46	346

TABLE SHOWING NUMBER OF CASES NOTIFIED AND ON THE DISPENSARY REGISTER, NUMBER OF EXAMINATIONS, AND HOME VISITS BY TUBERCULOSIS NURSES.

Year	New cases notified	Number on Dispensary Register, 31st December	Examinations	Total home visits by Tuberculosis Nurses
1938	477	1,252	8,777	13,469
1939	386	1,193	6,524	11,162
1940	413	1,218	4,501	11,814
1941	371	1,181	3,919	11,663
1942	416	1,239	4,785	11,195
1943	446	1,094	5,752	12,235

X-ray Examinations.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
X-ray examinations in connection with Dispensary work	1,806	1,303	1,199	1,134	1,603	1,715
"Screen" examinations	—	—	—	35	600	290
Totals ..	1,806	1,303	1,199	1,169	2,203	2,005

X-ray work in the Department in the years 1942 and 1943 was heavier than it had been in any previous year. The use for the first time of "screening" partly accounted for this but there was an actual increase in the ratio of chest X-ray films taken per attendance at the Dispensaries.

All new cases and contacts are subjected to chest-radiography, without which an opinion on any chest condition is of lesser value due to the fact that ordinary clinical examination of the chest in many cases fails to reveal evidence of tuberculous disease. Particularly is radiography essential in detecting tuberculosis in the early stage and in assessing progress in the already established case of phthisis.

The reduction in chest X-ray work in the years 1939–1941 was commensurate with the falling-off in all branches of Dispensary work during the early war years.

However, the ratio of X-ray examinations to attendances at the Dispensaries increased from 1·5 to 1 in 1939 to 1·3 to 1 in 1943.

Thus, the use of radiography showed a considerable increase during the last of the four years under review compared with the first.

Sputum Examinations.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Specimens from the Dispensaries :						
Positive	416	272	302	316	460	397
Negative..	1,261	928	665	1,051	1,956	1,914
Totals ..	1,677	1,200	967	1,367	2,416	2,311
Specimens examined by Acting City Bacteriologist (including those from private medical practitioners and the After Care Colony)—						
Positive	619	487	441	476	620	541
Negative	2,099	1,565	1,270	1,549	2,572	2,902
Totals ..	2,718	2,052	1,711	2,025	3,192	3,443

Sputum examination is the most decisive of all diagnostic tests in tuberculosis work. The ratio of sputum examinations to attendances at the Dispensaries increased each year from 1941 onwards and by 1942–3 had more than doubled compared with the ratio in 1938, reaching the figure of 1 sputum examination for each 2 attendances in 1942, and 1 for every 2·5 attendances in 1943.

A "smear" examination of sputum, simple and convenient to carry out as well as being economical, is often diagnostic in chest disease apart from any recourse to radiography.

Pneumothorax Clinic. The work of this Clinic was commenced in May, 1943, to relieve pressure of work at the Sanatorium. Attendances

were made at the Clinic held at the Anlaby Road Hospital on Thursday mornings, and 288 "refills" were given, from May to December 31st, 1943.

The Tuberculosis Department is indebted to Dr. D. L. Macrae Tod, for placing accommodation, X-ray facilities, etc., at its disposal.

Isolation of Infectious Cases. The Public Health Act, 1936, Section 172, provides for compulsory removal to hospital of infectious cases of pulmonary tuberculosis who cannot be isolated properly at home. No legal action has been necessary under this Section.

Light Treatment. Tuberculous patients in need of light treatment are referred to the Maternity and Child Welfare Clinics. The number so referred and the attendances made in 1938 to 1943 were :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Patients referred to Clinics	37	31	16	18	15	31
Attendances made..	1,286	827	629	537	347	754

Adela Shaw Orthopaedic Hospital. The number of children admitted to this Hospital for treatment of "bone and joint" tuberculosis and the number discharged after completing treatment were :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Admitted	4	1	1	1	4	7
Discharged..	—	3	2	5	4	4

After-Care and Provision of Extra Nourishment. The after-care of the tuberculous patient is carried out in Hull by a voluntary committee which meets every two weeks. Close contact with the Local Authority is maintained by the inclusion on the After-Care Committee of representatives from the Hull Corporation and the Tuberculosis Officer as Medical Adviser. This Department brings to the notice of the Committee all cases whose circumstances are such that they require help in obtaining extra nourishment, beds and bedding, surgical appliances, etc. New applications for assistance, mostly for help towards the provision of extra nourishment, were made to the After-Care Committee as under :—

1938	*1939*	*1940*	*1941*	*1942*	*1943*
106	89	79	39	38	33

Cases where the income is derived through the Unemployment Assistance Board are, on the recommendation of the Tuberculosis Officer, similarly dealt with by that Authority.

The steady and marked reduction of cases seeking help since 1939 from the After-Care Committee is due to a slowly changing economic situation, noticeable most obviously in 1941 onwards, when unemployment became negligible in amount, and female labour more freely utilised, and when the work that was so readily available for all was rewarded by a higher rate of wages generally.

Prevailing conditions in the labour-market tempted many of our tuberculous population to engage themselves in work prematurely or contrary to medical advice, often with considerable detriment to health and well-being.

The inauguration in 1943 of the Government-sponsored Scheme of Tuberculosis Allowances was also instrumental in reducing the numbers of those requiring assistance from the After-Care Committee in 1943.

Motor Watching. This enterprise continued to be carried on during the war years. Though motor watching was necessarily curtailed, owing to the reduction in motor traffic, limited numbers of men and youths were employed on car and cycle parks, the numbers varying but never exceeding 10 during the years under review.

After-Care Colony. The following summary shows the aggregate numbers of days during which patients were resident in the After-Care Colony at Walkington in each of the years 1939–1943 :—

1938	..	5,255
1939	..	4,243
1940	..	4,170
1941	..	4,798
1942	..	5,276
1943	..	3,708

Scheme for Tuberculosis Allowances. The Government-sponsored scheme, as set out in Ministry of Health Circular 266T, was commenced in the City in July, 1943.

The principles underlying the scheme for allowances are (1) to relieve tuberculous cases of financial anxiety, and (2) to expedite the return to full working capacity.

The objects of the scheme have been set in motion and the local arrangements, which have been sympathetically administered, have been much appreciated by the persons concerned.

During 1943, 144 applications were received for financial assistance under the Scheme, and 57 " standard," 28 " discretionary," and 2 "special" allowances were approved and granted.

Ex-Service Tuberculous Patients. The following particulars are furnished regarding these patients :—

	1939	*1940*	*1941*	*1942*	*1943*
(1) Ex-service men and women notified as tuberculous	24	38	42	71	80
(2) Number seen at the Dispensary and treatment arranged	3	28	25	44	58

The problem of the after-care and rehabilitation of the tuberculous ex-service case is of similar magnitude to that encountered after the 1914–18 war, but is being faced this time by a national plan of rehabilitation which will assist all disabled persons.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1930—SUMMARY OF NOTIFICATIONS.

FORMAL NOTIFICATIONS—NUMBER OF PRIMARY NOTIFICATIONS OF NEW CASES.

Age Periods	Sex	*1938*			*1939*			*1940*			*1941*			*1942*			*1943*		
		Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total
0–1	M	—	2	2	1	1	2	—	3	3	—	—	—	—	—	—	1	2	3
	F	—	3	3	1	—	1	—	—	—	—	—	—	—	2	2	—	—	—
1–5	M	2	13	15	4	4	8	—	4	4	1	6	7	1	3	4	4	5	9
	F	2	5	7	1	4	5	—	5	5	—	6	6	2	3	5	3	10	13
5–10	M	4	21	25	5	15	20	1	6	7	4	3	7	2	7	9	6	4	10
	F	5	8	13	2	8	10	—	4	4	—	4	4	1	4	5	3	6	9
10–15	M	3	9	12	5	7	12	3	3	6	2	8	10	5	5	10	6	7	13
	F	4	7	11	2	4	6	5	2	7	2	1	3	6	1	7	5	10	15
15–20	M	24	5	29	13	4	17	18	9	27	12	6	18	22	2	24	27	5	32
	F	22	6	28	26	2	28	12	10	22	25	9	34	19	8	27	24	6	30
20–25	M	40	2	42	18	4	22	36	2	38	23	3	26	25	4	29	26	3	29
	F	29	11	40	30	1	31	23	5	28	35	—	35	33	4	37	35	5	40
25–35	M	46	3	49	32	3	35	50	10	60	41	3	44	48	7	55	30	7	37
	F	32	6	38	41	6	47	36	5	41	26	2	28	27	6	33	25	2	27
35–45	M	40	1	41	29	5	34	37	4	41	41	5	46	34	1	35	58	5	63
	F	20	6	26	20	4	24	14	6	20	12	1	13	14	5	19	10	5	15
45–55	M	37	2	39	33	1	34	27	3	30	29	2	31	39	3	42	31	3	34
	F	9	4	13	4	2	6	15	2	17	8	—	8	17	2	19	10	2	12
55–65	M	29	2	31	28	1	29	29	—	29	28	2	30	24	—	24	32	4	36
	F	8	—	8	4	3	7	10	—	10	7	—	7	9	1	10	7	—	7
65 and upward	M	4	—	4	4	1	5	9	—	9	13	1	14	10	1	11	10	—	10
	F	1	—	1	2	1	3	4	1	5	—	—	—	9	—	9	2	—	2
Total	M	229	60	289	172	44	216	210	44	254	194	39	233	210	33	243	231	45	276
	F	132	56	188	133	37	170	119	40	159	115	23	138	137	36	173	124	46	170
Total notifications including cases previously notified by other Doctors ..	M	265	70	335	203	53	256	249	50	299	233	42	275	242	38	280	310	56	366
	F	155	67	222	146	46	192	140	48	188	134	26	160	154	41	195	160	55	215

NOTIFICATIONS OF TUBERCULOSIS—SUPPLEMENTAL RETURN.

New Cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the period from the 1st January to the 31st December, in the undermentioned years, *otherwise than by formal notification.*

Age Periods	Sex	*1938*			*1939*			*1940*			*1941*			*1942*			*1943*		
		Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total
0–1	M	—	—	—	—	—	—	—	5	5	—	1	1	—	1	1	—	2	2
	F	1	—	1	—	1	1	—	1	1	—	3	3	—	1	1	—	1	1
1–5	M	1	1	2	—	3	3	—	3	3	—	4	4	—	4	4	1	2	3
	F	—	3	3	—	4	4	—	1	1	—	2	2	—	4	4	—	2	2
5–10	M	1	—	1	1	—	1	1	—	1	—	2	2	1	—	1	—	2	2
	F	1	2	3	—	—	—	1	2	3	—	2	2	1	1	2	—	1	1
10–15	M	—	—	—	—	—	—	—	—	—	—	1	1	1	2	3	2	1	3
	F	—	—	—	—	1	1	—	1	1	—	—	—	—	1	1	—	—	—
15–20	M	1	1	2	3	1	4	1	—	1	1	1	2	1	1	2	—	—	—
	F	1	1	2	—	—	—	—	—	—	1	2	3	2	—	2	—	2	2
20–25	M	—	1	1	3	1	4	3	—	3	5	—	5	3	—	3	3	—	3
	F	—	—	—	1	1	2	3	—	3	2	—	2	2	1	3	4	—	4
25–35	M	2	—	2	6	—	6	10	1	11	5	—	5	8	2	10	8	—	8
	F	5	1	6	4	—	4	2	—	2	3	—	3	3	—	3	6	—	6
35–45	M	3	1	4	—	—	—	3	—	3	2	—	2	4	—	4	2	1	3
	F	1	—	1	—	—	—	3	1	4	1	—	1	2	—	2	3	—	3
45–55	M	4	1	5	1	1	2	4	1	5	3	—	3	8	—	8	5	—	5
	F	1	1	2	1	—	1	4	—	4	2	—	2	1	—	1	1	—	1
55–65	M	3	—	3	3	—	3	7	—	7	3	1	4	4	—	4	4	1	5
	F	1	—	1	3	1	4	2	—	2	—	—	—	—	—	—	—	—	—
65 and upward	M	1	—	1	2	—	2	1	—	1	2	—	2	1	—	1	1	—	1
	F	2	—	2	1	1	2	—	—	—	3	—	3	—	1	1	1	—	1
Total	M	16	5	21	19	6	25	30	10	40	21	10	31	31	10	41	26	9	35
	F	13	8	21	10	9	19	15	6	21	12	9	21	11	9	20	15	6	21

Supplemental Return (*Continued*) :—

Source of Information and Number of Cases — Pulmonary (P.) and Non-Pulmonary (N.).

	1938		*1939*		*1940*		*1941*		*1942*		*1943*	
	P.	N.	P.	N.	P.	N.	P.	N.	P.	N.	P.	N.
Source of Information:												
Death Returns—												
Local Registrars	15	8	20	13	23	11	16	11	11	12	11	7
Transferable deaths from Registrar-General	4	–	1	–	1	–	–	2	3	–	–	–
Posthumous notifications	–	4	2	1	3	4	8	4	8	3	6	3
Transfers from other areas (other than transferable deaths) ..	9	1	–	–	8	–	6	–	19	4	24	4
Other sources—												
Phone			2	–	1	–			1	–	–	1
Caller			1	–	–	–			–	–	–	–
Letter	1	–	3	1	9	1	3	2	–	–	–	–

Dr. N. W. Roberts has kindly supplied the following information :—

THE KINGSTON UPON HULL SANATORIUM, COTTINGHAM.

Medical Superintendent	H. Mason Leete, M.D., M.R.C.S., D.P.H.
Deputy Medical Superintendent	C. D. Preston, M.B., Ch.B., D.P.H. (absent on H.M. Service as from 1st September, 1939).
Acting Deputy Medical Superintendent ..	Nigel W. Roberts, M.D., D.P.H.

Residential Treatment. Table A. (page 72) shows the extent of residential treatment and observations of patients, and Table B. (page 73) gives details of the classification of cases admitted to the Sanatorium. The reduced number of admissions during 1939, and the very small number of patients remaining in the Sanatorium at the end of that year, reflect the drastic re-arrangement necessitated by the outbreak of war. On the 1st September, 1939, in accordance with a pre-arranged scheme, 79 patients were discharged to their own homes, followed by a further 12 in the course of the next few days. Three Sanatorium wards were thus cleared, and two of them were immediately occupied by cases of diphtheria and scarlet fever moved from the City Hospital. In this way some City Hospital wards were made available for emergency (Base Hospital) purposes. By the end of the year, however, it had become obvious that beds would have to be restored to the tuberculosis section, and by 1940, three of the four Sanatorium wards were again receiving tuberculous patients.

Consultants. Mr. Blair, as Orthopædic Surgeon, visited the Sanatorium and examined cases submitted for his opinion, and Dr. Ritchie Rodger attended monthly to deal with the special ear, nose and throat work.

Artificial Pneumothorax Treatment. Comparative figures in regard to Pneumothorax treatment are given to show the increase in this branch of the work. The low figures for 1940 are consequent upon the emergency evacuation of Sanatorium wards in September, 1939.

Year	Pneumothoraces induced	Total of Refills given	Refills given to out-patients
1938	13	615	167
1939	15	903	not available
1940	5	897	662
1941	24	1,134	752
1942	55	2,112	864
1943	40	2,746	856

X-Ray Examinations.

Year	Total examinations including screenings	Films taken	Routine Staff Films
1938	451	386	24
1939	1,444	535	31
1940	1,186	309	10
1941	1,732	804*	17
1942	2,665	414	15
1943	3,204	402	13

* Including E.M.S. (casualty) work.

Sputum Examinations. Since 1941, sputum specimens have been examined in the laboratory at the City Hospital. In addition, an increasing number of other laboratory investigations are performed there for Sanatorium patients. Particulars are given on page 51 (*i.e., Examinations for the Sanatorium*).

Dental Treatment. Particulars of visits paid to the Sanatorium and of work done by the dental surgeon :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of visits paid	44	30	23	26	23	19
Number of cases seen	305	151	84	86	68	80
Work done included—						
Extractions	225	121	174	283	185	123
Fillings	51	37	53	46	35	44
Dressings	107	49	48	20	1	2
Scalings .. }	69	33	11	21	11	10
Other operations }			18	26	9	6

The Sanatorium School. With rare exceptions, no patient of school age has been admitted since the beginning of the war. The emergency evacuation of the Sanatorium entailed closure of the school on 2nd September, 1939 ; it was, however, re-opened on 11th December, 1939, in Ward 3 of the City Hospital. This ward was occupied by tuberculous bone and joint cases, among whom were 16 children of school age. These patients were eventually transferred to Scotton Banks Sanatorium, Knaresborough, and the school finally closed on 31st May, 1941.

TABLE A.

EXTENT OF RESIDENTIAL TREATMENT AND OBSERVATION OF PATIENTS.

Year	(*a*) Number of doubtfully Tuberculous Cases admitted for observation (*b*) Number of definitely Tuberculous Patients admitted for treatment	In Sanatorium 1st Jan.	Admissions during year	Discharges during year	Died in Sanatorium during year	In Sanatorium 31st Dec.
1938	(*a*) Adult Males	—	5	5	—	—
	„ Females	1	7	8	—	—
	Children	4	14	16	—	2
	TOTAL	5	26	29	—	2
	(*b*) Adult Males	60	127	114	19	54
	„ Females	39	88	77	11	39
	Children	31	22	30	—	23
	TOTAL	130	237	221	30	116
	GRAND TOTAL ..	135	263	250	30	118
1939	(*a*) Adult Males	—	2	1	—	1
	„ Females	—	5	4	—	1
	Children	2	5	7	—	—
	TOTAL	2	12	12	—	2
	(*b*) Adult Males	54	95	105	21	23
	„ Females	39	81	91	13	16
	Children	23	8	29	1	1
	TOTAL	116	184	225	35	40
	GRAND TOTAL ..	118	196	237	35	42
1940	(*a*) Adult Males	1	1	2	—	—
	„ Females	1	1	2	—	—
	Children	—	—	—	—	—
	TOTAL	2	2	4	—	—
	(*b*) Adult Males	23	157	78	47	55
	„ Females	16	100	49	27	40
	Children	1	4	—	—	5
	TOTAL	40	261	127	74	100
	GRAND TOTAL ..	42	263	131	74	100
1941	(*a*) Adult Males	—	6	6	—	—
	„ Females	—	3	3	—	—
	Children	—	2	1	—	1
	TOTAL	—	11	10	—	1
	(*b*) Adult Males	55	126	90	35	56
	„ Females	40	93	59	26	48
	Children	5	3	6	—	2
	TOTAL	100	222	155	61	106
	GRAND TOTAL ..	100	233	165	61	107
1942	(*a*) Adult Males	—	2	2	—	—
	„ Females	—	1	1	—	—
	Children	1	—	1	—	—
	TOTAL	1	3	4	—	—
	(*b*) Adult Males	56	117	99	16	58
	„ Females	48	76	64	17	43
	Children	2	3	4	1	—
	TOTAL	106	196	167	34	101
	GRAND TOTAL ..	107	199	171	34	101
1943	(*a*) Adult Males	—	9	8	—	1
	„ Females	—	2	1	—	1
	Children	—	—	—	—	—
	TOTAL	—	11	9	—	2
	(*b*) Adult Males	58	119	82	37	58
	„ Females	43	75	63	17	38
	Children	—	5	1	2	2
	TOTAL	101	199	146	56	98
	GRAND TOTAL .	101	210	155	56	100

TABLE **B.**—CLASSIFICATION OF CASES ADMITTED TO THE TUBERCULOSIS SANATORIUM.

Classification	1938				1939				1940				1941				1942				1943			
	Adult Males	Adult Females	Children	Total	Adult Males	Adult Females	Children	Total	Adult Males	Adult Females	Children	Total	Adult Males	Adult Females	Children	Total	Adult Males	Adult Females	Children	Total	Adult Males	Adult Females	Children	Total
Pulmonary.																								
T.B. Minus ..	22	19	7	48	13	12	4	29	30	18	—	48	32	27	2	61	17	8	1	26	19	17	1	37
T.B. + 1 ..	7	5	—	12	2	4	—	6	2	1	—	3	2	2	—	4	4	5	2	11	5	6	—	11
T.B. + 2 ..	92	51	—	143	73	53	2	128	114	75	3	192	83	60	1	144	92	57	—	149	90	49	3	142
T.B. + 3 ..	2	3	—	5	5	4	—	9	4	1	—	5	5	1	—	6	—	—	—	—	4	3	1	8
Non-Pulmonary.																								
Bones and Joints	—	1	4	5	—	2	1	3	—	—	—	—	1	—	—	1	—	—	—	—	1	—	—	1
Abdominal ..	1	6	7	14	1	4	1	6	5	5	1	11	2	2	—	4	2	5	—	7	—	—	—	—
Other Organs ..	2	—	—	2	1	1	—	2	1	—	—	1	—	—	—	—	2	1	—	3	—	—	—	—
Peripheral Glands	1	3	4	8	—	1	—	1	1	—	—	1	1	1	—	2	—	—	—	—	—	—	—	—
Observation ..	5	7	14	26	2	5	5	12	1	1	—	2	6	3	2	11	2	1	—	3	9	2	—	11
Totals ..	132	95	36	263	97	86	13	196	158	101	4	263	132	96	5	233	119	77	3	199	128	77	5	210

VENEREAL DISEASES.

The information contained in this section has been supplied by Dr. Ronald J. Barlee, Senior Clinical Medical Officer of the Mill Street Clinic.

The following table gives particulars of the new cases and attendances :

	New Cases.					Attendances.		
Year	Total	Syphilis	Gonorrhoea	Other Venereal Disease	Not Venereal Disease	Total	At Medical Sessions	For Intermediate Treatment
				Males.				
1938	1,019	109	477	52	381	24,091	13,707	10,384
1939	986	92	531	90	273	16,342	13,747	2,595
1940	851	108	451	95	197	12,405	10,934	1,471
1941	720	96	373	50	201	9,192	9,173	19
1942	704	105	302	89	208	9,511	9,463	48
1943	1,170	164	336	124	546	11,187	10,895	292
				Females.				
1938	136	41	55	—	40	7,881	5,719	2,162
1939	97	26	41	—	30	5,595	5,055	540
1940	196	48	69	—	79	4,991	4,768	223
1941	252	29	65	—	158	3,463	3,435	28
1942	244	51	53	1	139	4,022	3,880	142
1943	407	93	75	3	236	5,628	5,511	117

Congenital Syphilis. Treatment is specially important in cases of congenital syphilis, in order to prevent the blindness, deafness or insanity which may ensue.

New cases came under treatment as follows :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Cases ..	9	12	14	12	3	18

Free Supply of Arsenobenzene Compounds.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Names of medical practitioners on list to receive free supplies ..	26	26	26	26	26	26
Number of medical practitioners supplied	1	1	1	1	—	1
Number of doses issued	10	12	10	10	—	34
Additional doses issued for use of—						
Hull Royal Infirmary	30	10	20	20	10	20
Beverley Road Hospital ..	210	320	270	180	136	460
Anlaby Road Hospital.. ..	30	36	24	36	36	108
Special Out-Patients Dept., Hull Royal Infirmary ..	1,460	1,480	1,510	1,400	1,570	1,660

Pathological Examinations. The extent to which medical practitioners availed themselves of facilities provided for pathological examinations is shown in the subjoined statement, which also gives particulars of specimens sent from institutions such as the Hull Royal Infirmary, the Victoria Children's Hospital, and the Anlaby Road and the Beverley Road Hospitals, and from the Clinic.

PATHOLOGICAL EXAMINATIONS

Specimens from	Wasser-mann's	Gono-cocci	Spiro-choetes	Other	Total	Wasser-mann's	Gono-cocci	Spiro-choetes	Other	Total	Wasser-mann's	Gono-cocci	Spiro-choetes	Other	Total
		1938					1939					1940			
Private Medical Practitioners.. ..	293	318	—	—	611	206	25	—	—	231	163	38	—	—	201
Public Institutions ..	2,405	150	3	—	2,558	2,606	259	—	—	2,865	1,799	165	5	—	1,969
Venereal Diseases Clinic	1,466	1,790	56	1	3,313	1,348	1,885	64	—	3,297	1,173	1,669	122	—	2,964
Totals ..	4,164	2,258	59	1	6,482	4,160	2,169	64	—	6,393	3,135	1,872	127	—	5,134
		1941					1942					1943			
Private Medical Practitioners.. ..	106	21	—	—	127	99	37	6	—	142	84	21	—	—	105
Public Institutions ..	1,551	190	10	—	1,751	3,328	234	14	—	3,576	3,909	325	19	1,092	5,345
Venereal Diseases Clinic	1,161	1,909	132	—	3,202	1,379	1,795	166	—	3,340	2,328	2,438	228	1	4,995
Totals ..	2,818	2,120	142	—	5,080	4,806	2,066	186	—	7,058	6,321	2,784	247	1,093	10,445

Detailed particulars of the work done at or in connection with the Clinic will be found on pages 78-82.

Notices for Crews of Ships. To enable Port Health Officers, when inspecting ships, to furnish a supply of notices for the crews, stating the address of the Treatment Centre for Venereal Diseases and the hours of the Clinics, cards are printed in the languages of the 11 different countries from which the greater number of seamen come who frequent the port. For the translations on the cards the Department is indebted to the various Consuls.

Appointment. In 1943, consideration was given to the question of the appointment of an Almoner, with a view to her commencing duty early in 1944.

RETURN RELATING TO ALL PERSONS WHO WERE TREATED AT THE MILL STREET TREATMENT CENTRE FOR VENEREAL DISEASES DURING THE YEAR ENDED 31ST DECEMBER, 1943, WITH TOTALS FOR PRECEDING FIVE YEARS.

	Syphilis		Soft Chancre		Gonorrhoea		Conditions other than Venereal		Total	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
No. of cases—										
1. Under treatment or observation at the beginning of year ..	183	113	9	—	132	77	14	44	338	234
2. Removed from register during any previous year who returned during the year under report for treatment or observation of same infection ..	—	—	—	—	—	—	—	—	—	—
3. Dealt with for first time (exclusive of cases under item 4) suffering from :										
Syphilis, primary	77	21	—	—	—	—	—	—	77	21
,, secondary	16	26	—	—	—	—	—	—	16	26
,, latent in first year of infection	19	18	—	—	—	—	—	—	19	18
,, all later stages ..	46	16	—	—	—	—	—	—	46	16
,, congenital	6	12	—	—	—	—	—	—	6	12
Soft Chancre	—	—	124	3	—	—	—	—	124	3
Gonorrhoea, first year of infection	—	—	—	—	306	58	—	—	306	58
,, later	—	—	—	—	30	17	—	—	30	17
Conditions other than Venereal	—	—	—	—	—	—	546	236	546	236
4. Dealt with for first time during the year under report known to have received treatment at other centres for the same infection	267	6	4	—	72	2	81	2	424	10
Totals for Year *1943*.. ..	614	212	137	3	540	154	641	282	1932	651
,, ,, ,, *1942*.. ..	582	145	101	1	519	127	265	181	1467	454
,, ,, ,, *1941*.. ..	458	187	70	—	696	175	238	189	1462	551
,, ,, ,, *1940*.. ..	370	215	108	—	644	188	212	83	1334	486
,, ,, ,, *1939*.. ..	514	263	98	—	796	163	321	36	1729	462
,, ,, ,, *1938*.. ..	475	234	71	—	782	194	400	44	1728	472

RETURN OF PERSONS TREATED AT MILL STREET TREATMENT CENTRE (*continued*)—

	Syphilis		Soft Chancre		Gonorrhoea		Conditions other than Venereal		Total	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
5. Discharged after completion of treatment and final tests of cure	6	4	46	—	127	26	554	175	733	205
6. Who ceased to attend before completion of treatment and were on first attendances suffering from :										
Syphilis, primary	12	6	—	—	—	—	—	—	12	6
,, secondary	4	5	—	—	—	—	—	—	4	5
,, latent in first year of infection	10	6	—	—	—	—	—	—	10	6
,, all later stages ..	34	9	—	—	—	—	—	—	34	9
,, congenital	2	2	—	—	—	—	—	—	2	2
Soft Chancre	—	—	22	2	—	—	—	—	22	2
Gonorrhoea, first year of infection	—	—	—	—	50	19	—	—	50	19
,, later	—	—	—	—	6	7	—	—	6	7
7. Who ceased to attend after completion of treatment but before final tests of cure ..	—	—	—	—	—	—	—	—	—	—
8. Transferred to other centres or to institutions, or to care of private practitioners	329	52	47	—	242	8	26	—	644	60
9. Remaining under treatment or observation on 31st December	217	128	22	1	115	94	61	107	415	330
Totals for Year *1943*.. ..	614	212	137	3	540	154	641	282	1932	651
,, ,, ,, *1942*.. ..	582	145	101	1	519	127	265	181	1467	454
,, ,, ,, *1941*.. ..	458	187	70	—	696	175	238	189	1462	551
,, ,, ,, *1940*.. ..	370	215	108	—	644	188	212	83	1334	486
,, ,, ,, *1939*.. ..	514	263	98	—	796	163	321	36	1729	462
,, ,, ,, *1938*.. ..	475	234	71	—	782	194	400	44	1728	472

TREATMENT CENTRE—(*continued*)

–	Syphilis		Soft Chancre		Gonorrhoea		Conditions other than Venereal		Total	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
YEAR 1938.										
Out-Patient's attendances :										
(*a*) For individual attention of the medical officers	6919	2842	92	—	5159	2812	1537	65	13707	5719
(*b*) For intermediate treatment, *e.g.*, irrigation, dressings	41	—	6	—	10330	2162	7	—	10384	2162
Totals ..	6960	2842	98	—	15489	4974	1544	65	24091	7881
In-Patients :										
(*a*) Total number of patients admitted during the year.. ..	7	3	3	—	4	2	9	1	23	6
(*b*) Aggregate number of "in-patient days" of treatment given ..	250	87	94	—	197	49	596	39	1137	175
YEAR 1939.										
Out-Patient's attendances :										
(*a*) For individual attention of the medical officers	6023	2651	131	—	5967	2374	1626	30	13747	5055
(*b*) For intermediate treatment, *e.g.*, irrigation, dressings	248	—	—	—	2347	540	—	—	2595	540
Totals ..	6271	2651	131	—	8314	2914	1626	30	16342	5595
In-Patients :										
(*a*) Total number of patients admitted during the year.. ..	1	6	4	—	3	2	2	2	10	10
(*b*) Aggregate number of "in-patient days" of treatment given ..	65	179	151	—	66	39	39	126	321	344
YEAR 1940.										
Out-Patient's attendances :										
(*a*) For individual attention of the medical officers	4663	2435	152	—	4890	2204	1229	129	10934	4768
(*b*) For intermediate treatment, *e.g.*, irrigation, dressings	135	—	—	—	1336	223	—	—	1471	223
Totals ..	4798	2435	152	—	6226	2427	1229	129	12405	4991
In-Patients :										
(*a*) Total number of patients admitted during the year.. ..	5	3	3	—	—	1	3	1	11	5
(*b*) Aggregate number of "in-patient days" of treatment given ..	165	105	136	—	—	29	140	79	441	213

TREATMENT CENTRE—(*continued*)

	Syphilis		Soft Chancre		Gonorrhoea		Conditions other than Venereal		Total	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
YEAR 1941.										
Out-Patient's attendances :										
(*a*) For individual attention of the medical officers	3931	1582	79	—	4078	1612	1085	241	9173	3435
(*b*) For intermediate treatment, *e.g.*, irrigation, dressings	3	1	—	—	16	27	—	—	19	28
Totals ..	3934	1583	79	—	4094	1639	1085	241	9192	3463
In-Patients :										
(*a*) Total number of patients admitted during the year..	5	7	4	—	2	2	3	—	14	9
(*b*) Aggregate number of "in-patient days" of treatment given ..	39	406	148	—	15	50	114	—	316	456
YEAR 1942.										
Out-Patient's attendances :										
(*a*) For individual attention of the medical officers	4982	2036	126	1	3513	1556	842	287	9463	3880
(*b*) For intermediate treatment, *e.g.*, irrigation, dressings	—	11	—	—	48	131	—	—	48	142
Totals ..	4982	2047	126	1	3561	1687	842	287	9511	4002
In-Patients :										
(*a*) Total number of patients admitted during the year.. ..	9	8	5	3	1	—	6	1	21	12
(*b*) Aggregate number of "in-patient days" of treatment given ..	241	352	148	104	10	—	131	13	530	469
YEAR 1943										
Out-Patient's attendances :										
(*a*) For individual attention of the medical officers	5316	3004	209	18	3930	1817	1440	672	10895	5511
(*b*) For intermediate treatment, *e.g.*, irrigation, dressings	5	21	—	—	287	96	—	—	292	117
Totals ..	5321	3025	209	18	4217	1913	1440	672	11187	5628
In-Patients :										
(*a*) Total number of patients admitted during the year.. ..	29	10	4	1	14	2	8	—	55	13
(*b*) Aggregate number of "in-patient days" of treatment given ..	692	265	104	9	277	122	212	—	1285	396

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of cases of primary syphilis	38	21	42	52	78	98
Number of cases of gonorrhoea first year of infection	474	514	471	406	319	364

Congenital Syphilis. Number of cases of Congenital Syphilis in Item 3 in table on page 78, classified according to age periods :—

Year	Under 1 year		1 and under 5 years		5 and under 15 years		15 years and over		Total	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1938	—	4	—	—	—	2	2	1	2	7
1939	2	2	—	—	—	1	3	4	5	7
1940	—	4	—	2	—	2	3	3	3	11
1941	—	2	—	—	—	—	5	5	5	7
1942	—	—	—	—	—	1	1	1	1	2
1943	—	2	—	—	2	9	4	1	6	12

Pathological Work. Number of specimens examined by the medical officers at the treatment centre.

Year	Microscopical		Serum Tests	
	For Spiroschetes	For Gonococci	Wassermann	Gonorrhoea
1938	4	30	—	—
1939	5	59	—	—
1940	6	75	—	—
1941	—	19	—	—
1942	—	47	—	—
1943	—	75	—	—

MATERNITY AND CHILD WELFARE.

Most of the information for this section has been supplied by Dr. Helen Standring, the Senior Assistant Medical Officer of Health in charge of the Maternity and Child Welfare Department.

Maternal Deaths. The maternal deaths and the maternal mortality rates were as follows :—

Year	*Maternal Deaths*	*Maternal Mortality Rate per 1,000 Live Births*	*Live & Still-Births*
1938	16	2·8	2·7
1939	18	3·3	3·2
1940	14	2·8	2·7
1941	16	4·1	4·0
1942	7	1·8	1·7
1943	20	4·6	4·5

Midwives' Act, 1902.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Midwives' notice of intention to practise in Hull	107	128	106	99	95	93
Removed from district	2	7	2	2	1	3
Evacuated	—	—	1	5	6	9
Resigned	2	11	7	9	8	3
Died	—	—	—	—	1	—
On list at end of year	103	110	96	83	79	78

Under the rules of the Central Midwives' Board, medical aid was summoned by midwives as under :—

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Cases in which medical aid summoned	1,236	1,116	1,267	944	916	927
Percentage of births delivered ..	30·4	30·0	38·8	43·4	43·3	42·5
Medical help for—						
Mother alone	884	787	926	690	673	700
Per cent.	71·5	70·5	73·1	73·1	73·5	75·5
Child alone	352	329	341	254	243	227
Per cent.	28·5	29·5	26·9	26·9	26·5	24·5

Domiciliary Midwives.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number practising in City together with 1 supervisor	62*	53	56	42	46	50
Number of domiciliary midwives in private practice who notified intention to practise in Hull ..	17	20	15	14	12	12

* With 2 Supervisors.

Municipal Maternity Home, Hedon Road.

The Municipal Maternity Home, Hedon Road, was included in the Emergency Hospitals Scheme, and, on the 25th August, 1939, the maternity cases were discharged to their own homes, with the exception of 3 who were transferred to the Hull Hospital for Women, and 15 who remained in the Municipal Maternity Home for a few days. As from the above date the Hospital remained closed except for the reception of casualties due to enemy action. However, as the necessity for the reception of air raid casualties had not arisen up to the 1st April, 1940, the admission of maternity cases was resumed until the 1st July, 1940, when again the Hospital was closed, except for emergency purposes. Damage sustained by enemy action in May, 1941, was on such an extensive scale that, subsequently, the hospital was suitable for use only as a casualty clearing station.

Emergency midwifery cases were admitted to a ward at the Hull Hospital for Women until the "Greystones" Maternity Home (12 beds) was opened in September, 1941, for the reception of abnormal midwifery cases only.

	1938	**1939*	*†1940*	*‡1941*	*‡1942*	*‡1943*
Admissions	1,145	804	61	48	202	207
Deliveries conducted by—						
Midwives	1,002	663	40	19	107	108
Doctors	65	89	8	10	59	66
Total	1,067	752	48	29	166	174
Cases of pemphigus neonatorum	3	2	—	—	—	—
Infants who suffered from ophthalmia neonatorum	9	4	1	—	2	2
Deaths of infants during first 10 days of life	39	37	1	1	10	20

* Up to the 25th August, 1939.
† Open for maternity cases 1st April to 1st July, 1940.
‡ Greystones Maternity Home, Cottingham (opened 1st September, 1941).

Training School for Pupil Midwives.

As from October, 1939, the training of pupil midwives for Part I of the Central Midwives' Board examination was continued, with the permission of the Lindsey County Council, at the Gate Burton Maternity Home, Gainsborough. Training for Part II continued to be undertaken at the Midwifery Centre, Albion Street, Hull.

	Number of Pupils	
	Part I	*Part II*
1938	36	—
1939	23	8
1940	10	9
1941	13	11
1942	12	14
1943	17	17

Grants to Local Voluntary Associations. Financial assistance was given by the Corporation to the following local voluntary associations engaged in maternity and child welfare work :—

	£	
York Diocesan Maternity Home	635	per annum
Hull Jubilee District Nursing Association	150	,, ,,
Sutton Nursing Association..	50	,, ,,
Subscriptions were also paid to the following :		
Sheltering Home for Girls (as from the year 1943) ..	150	,, ,,
Victoria Hospital for Sick Children	150	,, ,,
Hull Braves' Guild	50	,, ,,

Ante-Natal Care. Midwives continued to bring their cases to the ante-natal clinic in the area in which their patients lived.

Patients booked for admission to the maternity homes in the evacuation areas received ante-natal care at the Hull Corporation clinics or from Municipal Midwives.

The numbers of patients examined at all the ante-natal clinics were :—

1938	*1939*	*1940*	*1941*	*1942*	*1943*
3,862	4,670	3,232	2,984	3,407	3,348

Post-natal patients whose confinements took place at home were encouraged to go to the clinics they had previously attended as expectant mothers.

Gynaecological Clinic. This Clinic was held at Queen's Hall until 1943, when it was transferred to New Cross Street.

A Post-natal and Gynaecological Clinic was held weekly and other gynaecological cases were seen at Dr. Gavin Brown's consultation clinic.

Patients for birth control advice numbered :—

	1st Visits	*Re-visits*
1939	69	302
1940	30	64
1941	16	22
1942	17	20
1943	12	14

Home Helps. Difficulty in obtaining suitable persons for the work seriously hampered the scheme for the provision of home helps during the war.

Registration of Nursing Homes. Supervisory visits were paid to maternity and nursing homes.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of premises on register at end of year	17	15	11	7	6	7
Puerperal Pyrexia.						
Cases notified	118	130	72	42	38	34
Ophthalmia Neonatorum.						
Cases notified	29	24	24	23	15	18
Pemphigus Neonatorum						
Cases reported to Medical Officer of Health	16	28	23	25	24	26
Still-Births.						
Number registered during year	208	211	169	177	167	148
Rate per 1,000 registered live-births	36·0	38·7	34·4	44·6	41·6	34·1
Rate per 1,000 live and still-births	34·7	37·2	33·2	42·7	40·0	33·0
Infant Mortality.						
Deaths of infants under 1 year	400	339	344	292	272	301
Infant mortality rate per 1,000 live-births	69	62	70	76	68	69
Neo-Natal Mortality.						
Death-rate under 1 month of age per 1,000 births	30·3	27·5	25·2	25·7	29·2	27·9
Child Mortality.						
Deaths of children between ages of 1 and 5 years	136	74	106	189	56	91
Notification of Births Acts.						
Live births notified by—						
Midwives	4,506	4,545	4,408	3,011	2,924	3,201
Doctors, Parents and others	221	102	66	39	37	44
Registrars	259	216	193	78	52	100
Municipal Maternity Home	1,005	698	41	—	—	—
Health Visitors.						
Number of visits paid	110,839	86,221	118,734	110,839	94,357	121,594

Training of Health Visitors. The training course for Health Visitors continued during the years under review, 8 students being accepted each year.

Child Life Protection — Public Health Act, 1936. The supervision of children in connection with Child Life Protection was sympathetically carried out by a specialist health visitor.

Adoption of Children (Regulation) Act, 1939. This Act came into operation on the 1st June, 1943, and the carrying out of its provisions imposed additional work on the Department, particularly in view of the increased

illegitimacy during the war. The number of cases of adoption dealt with between the 1st June and 31st December, 1943, was 17.

Talks to Mothers. Talks to mothers by members of the staff were given at the Infant Welfare Clinics.

Interavailability of Clinics. Children under 5 years of age, suffering from squint, dental caries, minor ailments, aural or cardiac defects, rickets or crippling conditions, or in need of X-ray examination, received treatment in either the School Health Department or the Maternity and Child Welfare Department.

In-patient Treatment for Orthopædic Cases. Financial responsibility was accepted by the Health Committee in respect of cases as under, admitted to the Adela Shaw Orthopædic Hospital, Kirbymoorside.

	1938	*1939*	*1940*	*1941*	*1942*	*1943*
Number of cases	1	—	—	1	5	2

Corporation Clinic, Mill Street. Two sessions a week were held at the Corporation Clinic for the treatment of venereal diseases in women and children, ante-natal and post-natal patients being referred thereto by the Department's Medical Officers or by general medical practitioners.

Patients suffering from vaginal discharge of non-specific origin were treated at the New Cross Street Special Clinic.

Dinners. Dinners were provided at the Municipal Restaurants for necessitous expectant and nursing mothers and toddlers.

Supply of Milk and Nutritives. Under the scheme administered by the Ministry of Food, dried milk, cod liver oil and orange juice were supplied. Other nutritives, such as " Virol," were provided under the Local Authority's Scheme.

Provision of Fire Guards. The scheme for the provision of fire guards, to lessen the risk from burns and scalds, was operated as far as possible during the war.

Home Nursing. The services of the Hull Jubilee District Nursing Association continued to be available, and were much appreciated, for cases referred from this Department.

Day Nurseries. The care of children of women who were engaged on essential war work was provided for at two day nurseries, as follows :—

Buckston Browne Home, Cottingham Road ..	..	Opened 21st September, 1942, with accommodation for 48 children.
97 Westbourne Avenue	..	Opened 19th April, 1943, with accommodation for 54 children.

Co-ordination of Work with other Institutions. Close co-operation was maintained with the Hull Branch of the National Society for the Prevention of Cruelty to Children.

The Hull Braves' Guild provided splints and other surgical apparatus required by children under the age of 5 years.

Care of Illegitimate Children. The York Diocesan Maternity Home, evacuated to the West Riding, pursued its beneficent work in the care of the unmarried mother and her child.

The arrangements made for part of the work of the follow-up cases, undertaken by Sister Bashford on behalf of the Sheltering Home for Girls, operated during the war years.

KINGSTON UPON HULL
EDUCATION COMMITTEE

SCHOOL HEALTH SERVICE

SUMMARY REPORT OF THE SCHOOL MEDICAL OFFICER FOR THE YEARS 1939 to 1943

SUMMARY OF WORK DURING THE YEARS 1939 TO 1943.

	1939	*1940*	*1941*	*1942*	*1943*
A. Medical Officers at Schools —					
Routine inspections at Elementary and Special Schools, etc.	11,113	12,255	11,113	6,720	9,354
Routine inspections at Secondary Schools	2,358	2,228	1,845	1,745	1,225
Special inspections at Elementary and Special Schools	995	969	19	40	310
Special inspections at Secondary Schools	14	3	1	1	10
Re-inspections at Elementary and Special Schools	6,398	3,021	2,172	1,382	1,531
Re-inspections at Secondary Schools	37	30	28	11	1
B. Medical Officers at Clinics—					
Inspections at Clinics	15,237	11,285	10,877	13,424	12,551
Re-inspections at Clinics (including Specialist Clinics)	27,360	21,134	23,727	27,276	22,462
Inspections under Employment of Children Bye-laws	497	606	581	541	481
Miscellaneous	154	2,097	55	96	143
C. Dental Officers—					
Routine inspections at Schools	25,088	30,966	32,211	28,990	26,732
Special inspections	1,345	1,025	946	943	813
Attendances for treatment	18,578	15,522	13,401	13,173	10,888
D. Nurses, Assistant Visitors, &c.—					
Visits to Schools	1,258	1,599	2,340	1,724	1,651
Examinations (including cleanliness inspections) in Schools	91,171	132,790	82,487	91,982	100,340
Visits to homes	14,780	21,042	17,872	19,183	21,767
Treatments of minor ailments in Clinics	105,638	81,123	89,123	125,179	103,030
Treatments of minor ailments at Special Schools	7,797	2,276	7,478	6,134	8,620
Treatments of orthopædic defects in Clinics	4,867	3,475	3,546	3,083	4,848
Treatments of orthopædic defects at Special Schools	15,376	456	8,133	295	6,530
E. School Clinics—					
Grand total of inspections and treatments, as detailed above	172,330	135,242	141,310	182,772	154,403

To the Chairman and Members

of the Education Committee.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to submit the report upon the work of the School Health Service in the City and County of Kingston upon Hull during the quinquennial period 1939–1943.

The instructions of the Board, now the Ministry of Education, have been followed in regard to the form and content of the report. During the earlier years of the war, local circumstances rendered it impossible to submit separate reports annually. The summary now presented will ensure continuity of the records of the work of the Department ; and I have included the information for the year 1939 already reported upon in order to secure uniformity with the quinquennial period covered by the report of the Medical Officer of Health on the health of Kingston upon Hull.

Despite the shortage of staff consequent upon the war, the work of the School Health Service was maintained and the health of the school children amply safeguarded.

I take this opportunity to thank the members of the medical and dental professions in private practice who, in spite of the heavy demands on their time and energies, so readily responded to the many calls made upon them for assistance.

To Dr. Lillias Hardie, who carried a heavy burden of responsibility throughout the war years, and to the Director of Education and the various members of the staff of the Department, and to the staffs of the Elementary and Secondary Schools, I tender my sincere thanks.

I also acknowledge, with thanks, the keen personal interest taken in the work of the Service by the Chairman and Members of the Elementary Education Sub-Committee. The helpful co-operation of the teachers and the parents is also gratefully acknowledged.

I have the honour to be,

Your obedient Servant,

NICOLAS GEBBIE,

School Medical Officer.

Health Department,
Guildhall, Kingston upon Hull.
April, 1944.

UNCLEANLINESS.

Year	Total Cleanliness Inspections	Findings *							
		Individual Children				Percentage of School Roll			
		A.	B.	C.	Total	A.	B.	C.	Total
1939	76,335	5,610	461	212	6,283	12·1	1·0	0·5	13·5
1940	110,133	11,250	1,103	266	12,619	33·1	3·2	0·8	37·1
1941	67,763	6,248	553	137	6,814	26·7	2·4	0·6	29·6
1942	82,172	7,179	585	199	7,963	25·9	2·1	0·6	28·7
1943	90,198	6,074	650	146	6,870	22·3	2·4	0·5	25·2

* A. — Nits present, but no vermin seen;
B. — Vermin present;
C. — Dirty, but no nits or vermin.

WORK DONE IN SCHOOL CLINICS, 1939.

Work Undertaken	Central Clinic		West Clinic		Blenkin Street Clinic		Morrill Street Clinic		North Hull Clinic		Totals					
											School Cases		Non-School Cases		All Cases	
	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.
Inspection Work :—																
1. Minor Ailments and General ..	3375	8497	3972	9236	1063	3061	2210	6893	2348	6612	12232	31647	736	2652	12968	34299
2. Orthopædic ..	113	469	—	—	—	—	—	—	11	88	67	331	57	226	124	557
3. Refractions ..	749	1070	677	1027	—	—	805	1119	294	415	2135	2966	390	665	2525	3631
4. Aural	98	290	134	416	—	—	104	365	63	181	346	1118	53	134	399	1252
5. X-Rays	9	35	—	—	—	—	—	—	—	—	9	35	—	—	9	35
6. Rheumatism and Heart	51	275	—	—	—	—	25	98	—	—	70	353	6	20	76	373
7. Employment Cases	199	199	147	147	17	17	87	87	47	47	497	497	—	—	497	497
8. Mental Deficiency	8	25	28	67	—	—	6	32	7	19	49	143	—	—	49	143
9. Nutrition	327	519	320	438	143	236	266	372	202	284	1258	1849	—	—	1258	1849
10. Miscellaneous ..	110	117	29	29	1	1	2	2	5	5	37	37	110	117	147	154
Treatment Work :—																
1. Minor Ailments* (including Aural)	2101	24296	2907	24969	870	10675	1818	24064	1958	18490	8939	94103	715	8391	9654	102494
2. Dental	2873	5186	3051	4782	—	—	3614	5955	1938	2655	10288	15092	1188	3486	11476	18578
3. Orthopædic ..	71	2936	—	—	—	—	—	—	49	1931	88	3480	32	1387	120	4867
4. X-Rays	9	9	—	—	—	—	—	—	—	—	9	9	—	—	9	9

* In addition, 3,144 treatments of 587 cases of minor ailments were carried out in re-opened schools during November and December, 1939.

WORK DONE IN SCHOOL CLINICS, 1940.

Work Undertaken	Central Clinic		West Clinic		Morrill Street Clinic		North Hull Clinic		Ainthorpe Grove Clinic		Totals					
											School Cases		Non-School Cases		All Cases	
	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.
Inspection Work :—																
1. Minor Ailments and General ..	2382	6259	2818	6657	2458	6577	2428	6855	192	362	9696	24789	582	1921	10278	26710
2. Orthopædic ..	123	402	—	—	—	—	16	134	—	—	106	416	33	120	139	536
3. Refractions ..	649	922	527	780	588	843	323	442	—	—	1842	2564	245	423	2087	2987
4. Aural	36	198	66	226	36	127	22	139	—	—	154	648	6	42	160	690
5. X-Rays	8	21	—	—	—	—	—	—	—	—	7	19	1	2	8	21
6. Rheumatism and Heart	36	231	—	—	14	76	—	—	—	—	48	292	2	15	50	307
7. Employment Cases	234	234	162	162	131	131	51	51	28	28	606	606	—	—	606	606
8. Mental Deficiency	42	108	—	1	20	44	4	24	—	2	66	179	—	—	66	179
9. Nutrition	171	231	132	183	128	177	112	170	4	8	547	769	—	—	547	769
10. Miscellaneous ..	581	582	466	466	660	660	313	313	76	76	2017	2017	79	80	2096	2097
Treatment Work :—																
1. Minor Ailments* (including Aural)	1729	17035	1960	16651	2069	20445	1946	16268	304	2509	7402	67252	606	5656	8008	72908
2. Dental	2277	3576	2416	3444	3161	4992	2216	3510	—	—	9227	13160	843	2362	10070	15522
3. Orthopædic ..	64	1484	—	—	—	—	45	1973	—	—	97	2740	12	717	109	3457
4. X-Rays	8	8	—	—	—	—	—	—	—	—	7	7	1	1	8	8

* In addition, 8,215 treatments of 1,108 cases of minor ailments were carried out in schools during January, February and March, 1940.

WORK DONE IN SCHOOL CLINICS, 1941.

Work Undertaken	Central Clinic		West Clinic		Morrill Street Clinic		North Hull Clinic		Ainthorpe Grove Clinic		Totals: School Cases		Totals: Non-School Cases		Totals: All Cases	
	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.
Inspection Work :—																
1. Minor Ailments and General ..	1995	6614	2859	6825	2990	8984	2404	7097	—	—	9187	25996	1061	3524	10248	29520
2. Orthopædic ..	65	255	—	—	—	—	24	123	—	—	53	259	36	119	89	378
3. Refractions ..	638	877	537	764	577	806	208	298	—	—	1732	2395	228	350	1960	2745
4. Aural	67	209	98	311	78	241	54	174	—	—	282	910	15	25	297	935
5. X-Rays	2	4	—	—	—	—	—	—	—	—	2	4	—	—	2	4
6. Rheumatism and Heart	124	301	—	—	40	99	—	—	—	—	156	382	8	18	164	400
7. Employment Cases	176	176	205	205	118	118	82	82	—	—	581	581	—	—	581	581
8. Mental Deficiency	50	121	—	9	17	44	7	31	—	—	74	205	—	—	74	205
9. Nutrition	40	64	31	66	49	86	36	82	—	—	156	298	—	—	156	298
10. Miscellaneous ..	40	40	6	6	2	2	7	7	—	—	6	6	49	49	55	55
Treatment Work :—																
1. Minor Ailments (including Aural)	1692	19949	2464	20593	2622	27169	2087	20476	142	936	7658	77235	1349	11888	9007	89123
2. Dental	2194	3077	3105	4250	2639	3746	1407	2328	—	—	8670	11721	675	1680	9345	13401
3. Orthopædic ..	39	1405	—	—	—	—	124	2141	—	—	106	2537	57	1009	163	3546
4. X-Rays	2	2	—	—	—	—	—	—	—	—	2	2	—	—	2	2

WORK DONE IN SCHOOL CLINICS, 1942.

Work Undertaken	Central Clinic		West Clinic		Morrill Street Clinic		North Hull Clinic		Ainthorpe Grove Clinic		Hopewell Road Clinic		Totals					
													School Cases		Non-School Cases		All Cases	
	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.
Inspection Work :—																		
1. Minor Ailments and General ..	3292	9980	3251	7721	3369	9980	2809	7326	—	—	155	716	11947	32787	929	2936	12876	35723
2. Orthopædic ..	64	318	—	—	—	—	14	109	—	—	—	—	43	289	35	138	78	427
3. Refractions ..	528	729	442	585	444	561	268	364	—	—	—	—	1422	1877	260	362	1682	2239
4. Aural	116	312	147	438	126	387	136	348	—	—	—	—	499	1410	26	75	525	1485
5. X-Rays	5	24	—	—	—	—	—	—	—	—	—	—	5	24	—	—	5	24
6. Rheumatism and Heart	83	303	—	—	36	95	—	—	—	—	—	—	110	372	9	26	119	398
7. Employment Cases	157	157	225	225	91	91	68	68	—	—	—	—	541	541	—	—	541	541
8. Mental Deficiency	56	98	6	16	11	26	9	20	—	—	—	—	82	160	—	—	82	160
9. Nutrition	1	1	5	5	5	6	2	2	—	—	—	—	13	14	—	—	13	14
10. Miscellaneous ..	64	64	14	14	16	16	2	2	—	—	—	—	20	20	76	76	96	96
Treatment Work :—																		
1. Minor Ailments (including Aural)	2465	27260	2842	25323	2643	29620	2611	25521	544	3698	1088	13757	11134	114650	1059	10529	12193	125179
2. Dental	2811	4293	1845	2751	2316	3379	1750	2750	—	—	—	—	8071	11376	651	1797	8722	13173
3. Orthopædic ..	31	956	—	—	—	—	97	2127	—	—	—	—	102	2613	26	470	128	3083
4. X-Rays	5	5	—	—	—	—	—	—	—	—	—	—	5	5	—	—	5	5

WORK DONE IN SCHOOL CLINICS, 1943.

Work Undertaken	Central Clinic		West Clinic		Morrill Street Clinic		North Hull Clinic		Ainthorpe Grove Clinic		Hopewell Road Clinic		Totals					
													School Cases		Non-School Cases		All Cases	
	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.
Inspection Work :—																		
1. Minor Ailments and General ..	3059	7930	3638	8373	2547	6248	2357	5821	—	—	401	1414	11295	28372	707	1414	12002	29786
2. Orthopædic ..	45	318	—	—	—	—	17	108	—	—	—	—	45	291	17	135	62	426
3. Refractions ..	489	668	510	712	473	638	237	310	—	—	—	—	1399	1927	310	401	1709	2328
4. Aural	174	389	127	395	243	599	110	374	—	—	—	—	625	1676	29	81	654	1757
5. X-Rays	13	39	—	—	—	—	—	—	—	—	—	—	13	39	—	—	13	39
6. Rheumatism and Heart	75	315	—	—	21	72	—	—	—	—	—	—	93	376	3	11	96	387
7. Employment Cases	129	129	184	184	100	100	68	68	—	—	—	—	481	481	—	—	481	481
8. Mental Deficiency	26	72	7	22	17	36	16	31	—	—	—	—	66	161	—	—	66	161
9. Miscellaneous ..	110	110	11	11	12	12	10	10	—	—	—	—	30	30	113	113	143	143
Treatment Work :—																		
1. Minor Ailments (including Aural)	2576	23666	2767	25306	2115	18556	1926	20021	455	3091	1335	12390	10339	95304	835	7726	11174	103030
2. Dental	2184	3293	2258	2976	1760	2461	1291	2158	—	—	—	—	6870	9250	623	1638	7493	10888
3. Orthopædic ..	37	2745	—	—	—	—	46	2103	—	—	—	—	71	4615	12	233	83	4848
4. X-Rays	11	11	—	—	—	—	—	—	—	—	—	—	11	11	—	—	11	11

INSPECTION AND TREATMENT OF CHILDREN ATTENDING SPECIAL SCHOOLS.

A summary of the work done in this connection is given below :—

INSPECTIONS.

	1939	*1940*	*1941*	*1942*	*1943*
At Schools—					
Routine Medical Inspections	80	—	14	21	10
Routine Dental Inspections	378	162	154	139	293
Aural Surgeon's Inspections	59	—	41	26	23

	1939		*1940*		*1941*		*1942*		*1943*	
	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.
At Clinics—										
General ..	174	493	19	48	75	196	50	168	64	144
Ophthalmic	57	90	45	65	53	83	23	34	26	32
Aural ..	9	50	4	4	3	9	7	38	5	14
Rheumatism and Heart	1	7	5	5	4	6	3	9	3	7
Orthopædic	2	14	38	138	3	3	—	—	—	—
Dental ..	4	4	2	2	3	9	7	7	5	5
Ringworm— X-Ray ..	1	6	—	—	—	—	—	—	—	—

TREATMENTS.

	1939	*1940*	*1941*	*1942*	*1943*
Minor Ailments	1,837	132	411	408	435
Ringworm—X-Ray	1	—	—	—	—
Orthopædic	53	210	—	—	—
Dental	153	41	93	56	97

The above figures do not include treatments undertaken at the Special Schools.

Cases in which spectacles were prescribed and the number obtained were as under :—

	1939	*1940*	*1941*	*1942*	*1943*
Prescribed	39	19	30	12	10
Obtained	40	15	29	12	8

SECONDARY SCHOOLS AND OTHER INSTITUTIONS OF HIGHER EDUCATION.

The following summary shows the extent to which clinic facilities were utilised by pupils attending these schools :—

INSPECTIONS.

	1939		*1940*		*1941*		*1942*		*1943*	
	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.	Cases	Attend.
General ..	42	72	28	71	36	92	53	120	58	119
Ophthalmic	205	282	174	222	176	224	145	195	138	190
Aural ..	9	14	3	5	2	27	7	17	10	27
Rheumatism and Heart	4	13	5	13	10	20	10	28	2	15
Orthopædic	9	31	2	14	1	4	5	23	3	7

TREATMENTS.

	1939	*1940*	*1941*	*1942*	*1943*
Minor Ailments	104	174	211	341	470
Orthopædic	186	103	10	26	60
Dental..	1,214	443	430	544	604

Cases in which spectacles were prescribed at clinics and the number obtained on clinic prescriptions.

	1939	*1940*	*1941*	*1942*	*1943*
Prescribed	153	108	111	86	90
Obtained	151	80	118	74	92

MINISTRY OF EDUCATION STATISTICAL TABLES.

ELEMENTARY SCHOOLS.

TABLE I.

MEDICAL INSPECTIONS OF CHILDREN ATTENDING PUBLIC ELEMENTARY SCHOOLS YEARS ENDED 31st DECEMBER, 1939 — 1943.

A.—ROUTINE MEDICAL INSPECTIONS.

	1939	*1940*	*1941*	*1942*	*1943*
(1) Number of Inspections in the prescribed Groups :					
Entrants	3,560	4,494	4,521	3,183	5,392
Second Age Group ..	3,491	3,507	3,336	1,603	27
Third Age Group.. ..	3,423	3,551	2,982	1,876	1,342
Total	10,474	11,552	10,839	6,662	6,761
(2) Number of other Routine Inspections :					
Sight and Hearing, Second Age Group	—	—	—	—	2,266
Grand Total ..	10,474	11,552	10,839	6,662	9,027

B.—OTHER INSPECTIONS.

Number of Special Inspections and Re-Inspections	37,616	29,394	30,834	37,527	33,027

TABLE II.

CLASSIFICATION OF THE NUTRITION OF CHILDREN INSPECTED DURING THE YEAR IN THE ROUTINE AGE GROUPS.

Year	Number Inspected	A (Excellent)		B (Normal)		C (Slightly Subnormal)		D Bad	
		No.	%	No.	%	No.	%	No.	%
1939	9,773	1,655	16.9	6,233	63.8	1,794	18.4	91	0.9
1940	11,552	1,537	13.3	7,455	64.5	2,492	21.6	68	0.6
1941	10,839	1,084	10.0	7,206	66.5	2,509	23.1	40	0.4
1942	6,662	600	9.0	5,246	78.7	797	12.0	19	0.3
1943	6,761	580	8.6	5,725	84.6	453	6.7	3	0.1

TABLE III.

Group I—Treatment of Minor Ailments (excluding Uncleanliness).

	1939	*1940*	*1941*	*1942*	*1943*
Total Number of Defects treated or under treatment during the year under the Authority's Scheme ..	9,986	7,730	7,928	11,518	11,030

Group II—Treatment of Defective Vision and Squint under the Authority's Scheme.

Errors of Refraction (including squint)	1,796	1,572	1,480	1,240	1,229
Other defect or disease of the eyes (excluding those recorded in Group I)	45	28	20	14	6
Total ..	1,841	1,600	1,500	1,254	1,235
Number of Children under the Authority's Scheme for whom spectacles were :					
(*a*) Prescribed	1,316	1,140	1,107	903	811
(*b*) Obtained	1,393	795	1,169	899	715

Group III—Treatment of Defects of Nose and Throat.

Received Operative Treatment	326	164	131	336	386
Received other forms of Treatment	235	108	62	164	282
Total Number Treated ..	561	272	193	500	668

TABLE IV.

DENTAL INSPECTION AND TREATMENT.

	1939	*1940*	*1941*	*1942*	*1943*
(1) Number of Children inspected by the Dentist :					
(*a*) Routine Age Groups ..	23,320	28,414	30,170	26,906	23,904
(*b*) Specials	82	161	255	278	173
(*c*) Total (Routine and Specials)	23,402	28,575	30,425	27,184	24,077
(2) Number found to require treatment	15,057	17,694	17,484	15,681	13,039
(3) Number actually treated ..	9,578	8,901	8,326	7,699	6,438
(4) Attendances made by children for treatment	13,616	12,656	11,188	10,766	8,549
(5) Half-days devoted to Inspections	183½	219	188½	152	131½
Treatment	1,659	1,447	1,228	1,202½	1,019½
Total	1,842½	1,666	1,416½	1,354½	1,151
(6) Fillings—Permanent Teeth ..	3,072	2,778	1,658	1,882	1,492
Temporary Teeth ..	115	48	16	6	3
Total	3,187	2,826	1,674	1,888	1,495
(7) Extractions—Permanent Teeth..	2,788	3,208	2,614	2,293	1,635
Temporary Teeth..	13,158	14,538	13,313	12,297	10,609
Total ..	15,946	17,746	15,927	14,590	12,244
(8) Administration of general anaesthetics for extractions ..	603	236	231	251	262
(9) Other Operations—Perm. Teeth	1,674	641	287	165	254
Temp. Teeth	550	224	67	26	10
Total ..	2,224	865	354	191	264

TABLE V.

UNCLEANLINESS AND VERMINOUS CONDITIONS.

	1939	1940	1941	1942	1943
(i) Average number of visits made per school during the year by the School Nurses or other authorised persons	10	15	28	22	20
(ii) Total number of examinations of children in the schools by School Nurses or other authorised persons	69,155	118,474	64,173	78,067	85,514
(iii) Number of individual children found unclean ..	6,162	12,583	6,814	7,870	6,785
(iv) Number of individual children cleansed under Section 87(2) and (3) of the Education Act, 1921	—	4	—	—	16
(v) Number of cases in which legal proceedings were taken :—					
(*a*) Under the Education Act, 1921 ..	—	—	—	—	—
(*b*) Under School Attendance Bye-Laws..	—	—	—	—	—

TABLE VI.

(1) BLIND, AND (2) DEAF CHILDREN.

Number of totally or almost totally blind and deaf children who are not at the present time receiving education suitable for their special needs.

Year	1 At a Public Elementary School		2 At an Institution other than a Special School		3 At no School or Institution		4 Total not receiving suitable education	
	1	2	1	2	1	2	1	2
1939	–	–	–	–	–	–	–	–
1940	–	–	–	–	1	1	1	1
1941	–	–	–	–	–	1	–	1
1942	–	–	–	–	–	–	–	–
1943	–	–	–	–	2	–	2	–

SECONDARY SCHOOLS.

TABLE I.

RETURN OF MEDICAL INSPECTIONS IN SECONDARY SCHOOLS, 1st JANUARY TO 31st DECEMBER, 1939 TO 1943

A.—ROUTINE MEDICAL INSPECTIONS.

Age	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Total
Number inspected in: 1939 ..	5	1	4	9	21	28	208	333	465	491	505	218	45	25	2,358
1940 ..	1	—	5	10	19	68	560	352	426	428	268	71	14	6	2,228
1941 ..	—	—	1	5	14	67	378	418	385	364	143	50	12	8	1,845
1942 ..	—	—	1	8	28	74	558	194	289	303	226	55	6	3	1,745
1943 ..	—	—	—	7	19	49	375	116	182	169	265	43	—	—	1,225

B.—OTHER INSPECTIONS.

	1939	*1940*	*1941*	*1942*	*1943*
Number of Special Inspections and re-Inspections	466	352	429	381	365

TABLE II.

CLASSIFICATION OF THE NUTRITION OF SECONDARY SCHOOL PUPILS INSPECTED DURING THE YEARS 1939 TO 1943.

Year	Number Inspected	A (Excellent)		B (Normal)		C (Slightly subnormal)		D (Bad)	
		No.	%	No.	%	No.	%	No.	%
1939	2,080	528	25.4	1,298	62.4	250	12.0	4	0.2
1940	2,228	485	21.7	1,426	64.0	313	14.1	4	0.2
1941	1,845	364	19.7	1,236	67.0	239	13.0	6	0.3
1942	1,745	247	14.2	1,283	73.5	214	12.2	1	0.1
1943	1,225	171	13.9	942	76.9	112	9.2	—	—

TABLE III.

Group II—Treatment of Defective Vision and Squint (excluding Minor Eye Defects).

Number of Defects dealt with under the Authority's Scheme.

	1939	*1940*	*1941*	*1942*	*1943*
Errors of Refraction (including Squint)	205	174	176	145	138
Number of pupils for whom spectacles were :—					
(*a*) Prescribed	153	108	111	86	90
(*b*) Obtained	151	80	118	74	92

TABLE IV.

DENTAL INSPECTION AND TREATMENT.

	1939	*1940*	*1941*	*1942*	*1943*
(1) Number of Pupils inspected by the Dentists :—					
(*a*) Routine Age Groups	1,115	2,204	1,886	1,945	2,535
(*b*) Specials	15	19	11	7	12
(*c*) Total (Routine and Specials)	1,130	2,223	1,897	1,952	2,547
(2) Number found to require treatment	660	1,048	739	1,221	993
(3) Number actually treated ..	543	279	261	323	346
(4) Attendances made by pupils for treatment	1,214	443	430	544	604
(5) Half-days devoted to Inspection	10	14	10½	11½	14
Treatment	127½	41½	30	50	58½
Total	137½	55½	40½	61½	72½
(6) Fillings—Permanent teeth ..	652	248	203	381	391
Temporary teeth ..	31	5	—	—	—
Total	683	253	203	381	391
(7) Extractions—Permanent teeth..	321	247	187	209	195
Temporary teeth	94	37	72	61	48
Total	415	284	259	270	243
(8) Administration of general anaesthetics for extractions..	23	4	1	5	4
(9) Other Operations—Perm't teeth	322	67	73	90	101
Temporary teeth	9	2	—	—	4
Total	331	69	73	90	105